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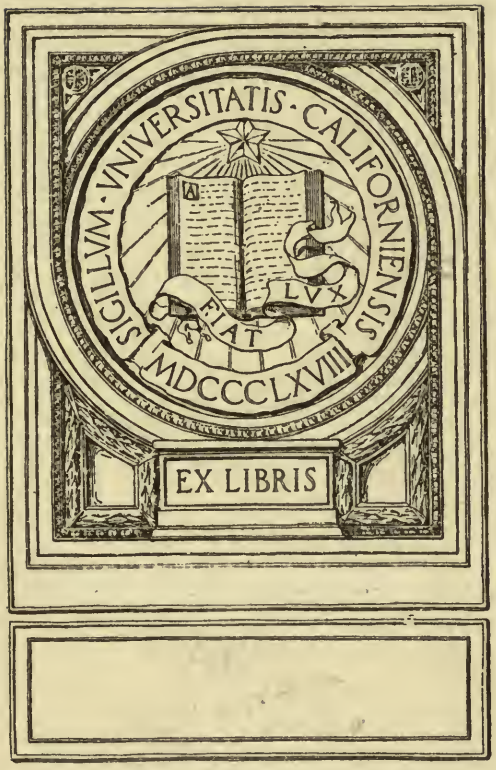
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CATALOGUE OF
TECHNICAL PERIODICALS

LIBRARIES IN THE CITY OF NEW YORK
AND VICINITY

Library of the Engineering Societies
Bibliographical Contributions
I

Catalogue of Technical Periodicals

Libraries in the City of New York and Vicinity

Compiled and Edited by the Assistant Librarian
Alice Jane Gates
With the co-operation of a Committee of the
New York Library Club

N.Y. Engineering societies' library

UNIV. OF CALIFORNIA

New York
Library Board of the United Engineering Society
Twenty-nine West Thirty-ninth Street
1915

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INTRODUCTION

The original suggestion for the preparation of the present catalogue was made by the late Dr. Billings in February 1911, at the first interview the writer had with him after assuming the duties of librarian in the Library of the Engineering Societies. The suggestion was at once presented to the committee governing the library; it met with instant and cordial approval, and work was started at once.

From the first, it was determined that a catalogue, not a check list, should be attempted; it was hoped some time to issue a catalogue and check list covering the entire United States. It was realized that the task was much more difficult than the preparation of a title-a-line list, and that the liability of error was great.

The choice of publications to be listed or eliminated has been difficult. There are glaring inconsistencies, for which the editor is in no way responsible. The writer is to be blamed for all of them. Official publications have been included in only a few instances, where they have assumed more or less the characteristics of the ordinary periodical; in some localities, the government publications are the only ones giving adequate technical information.

There will undoubtedly be criticisms of the choice of form of making the entries of some of the publications. We have tried, by the free use of cross-references, to guide the user to the main entry.

The original manuscript will be preserved, in order that corrections, additions, and new information may be noted. It is hoped that such information will be communicated to the editor by users of the catalogue; it will be cordially welcomed.

Personal acknowledgment for assistance rendered is thankfully given to Dr. Leonard Waldo, Dr. Samuel Sheldon, Mr. E. Gybbon Spilsbury and Mr. Calvin W. Rice, of the Library Board; to Mr. Arthur Hastings Grant, of the International Magazine Company, and Mr. Alfred Hafner of G. E. Stechert & Company; to Dr. Herbert Putnam, Mr. W. A. Slade, and Mr. Francis H. Parsons, of the Library of Congress; Miss Claribel Barnett, Librarian of the United States Department of Agriculture; Dr. Clement W. Andrews, of the John Crerar Library; Mr. Harrison W. Craver and Mr. E. H. McClelland, of the Carnegie Library of Pittsburg; Mr. William H. Brett, of the Cleveland Public Library; Mr. Chalmers Hadley, of the Denver Public Library; Mr. R. H. Johnston, Librarian of the Bureau of Railway Economics; Dr. Edwin H. Anderson, Director of the New York Public Library; Mr. Frederick C. Hicks, formerly Acting Librarian of Columbia University, and to many other librarians; to the editors of numerous technical publications and

the secretaries of many American technical societies. Much assistance has been given also by the readers in our library. The interest shown by technical men has been very inspiring.

Those assisting in the actual work of compilation by furnishing actual entries, and thus doing the foundation work for the catalogue, were:

Mr. William B. Gamble, Chief of the Technology Division, New York Public Library.

Miss Vera M. Dixon, formerly Technology Librarian of Columbia University Library, now Technology Librarian in the Portland, Oregon, Public Library.

Miss Eleanor H. Frick, Librarian of the American Society of Civil Engineers.

Mr. D. D. Berolzheimer, Librarian of the Chemists' Club.

Miss Enid Hawkins, Librarian of Stevens Institute.

Miss Florence M. Bowman, Librarian of the Plainfield, N. J., Public Library, and

Miss Alice Jane Gates, Assistant Librarian, Library of the Engineering Societies.

Miss Gates has recatalogued every periodical in the Library of the Engineering Societies, and corrected and extended the entries sent in from other libraries. She has arranged these entries and made a fair typewritten copy for the printer. She has sent out hundreds of letters, and interviewed many people. She has read all the proof.

The modern ideal in libraries is that of service. It has been with this in view that this catalogue has been compiled. If it is found useful to students and to librarians who are serving them, the time taken in its compilation will have been well spent.

W. P. Cutter,

Librarian of the Engineering Societies, and
Secretary of the Library Board.

FORM OF ENTRY

1. Magazines are entered under the latest form of title with cross references from an earlier title to a later one. A few exceptions were made to this rule, because otherwise the entries would have been confusing and misleading.

2. Names of societies are entered under the first significant word of the name of the Society (not including an article), cross references being made from any earlier names to the latest name.

3. Society publications whether they have a distinctive name or not are entered under the name of the Society. There is a cross reference from the distinctive name of the publication, if it has one, to the name of the Society.

4. In a few instances where the magazine is better known by its editor, or where the editor's name forms a part of the title, the entry has been made as it appears in the title, or a cross reference has been made from the editor's name to the name of the magazine.

5. No hard and fast rule has been followed in determining what periodicals shall be included. Only a few official publications have been listed, and only a few annuals.

ALICE JANE GATES.

LIBRARIES INCLUDED IN THE CATALOGUE

C. Columbia University Library, W. 116th St. near Amsterdam Ave., New York.

Founded 1757. The library contains about 500,000 volumes of which approximately 30,000 are on technical subjects. The library receives about 5,000 periodicals and society publications. It is open to the public for reference from 8.30 A.M. to 11 P.M. (July to September, 10 P.M.).

Acting Librarian, Professor Dean P. Lockwood.

CC. The Chemists' Club Library, 55 E. 41st St., New York.

Founded 1898. The library of the American Chemical Society was consolidated with it in 1911. Has been enlarged by the donation, inheritance, or acquisition of the private libraries of several noted chemists. Contains about 18,000 volumes not counting duplicates. It receives currently about 450 periodicals. Is open to the public from 9 A.M. to 5 P.M., daily except Saturday afternoons, Sundays and holidays.

Librarian, vacancy.

CE. Library of the American Society of Civil Engineers, 220 W. 57th St., New York.

Founded about 1875. Contains about 85,000 books, pamphlets, specifications, maps, photographs and drawings. Receives currently about 525 periodicals and society publications. Is open to the public from 9 A.M. to 10 P.M., except on Sunday, Fourth of July, Thanksgiving Day, and Christmas.

Librarian, Eleanor H. Frick.

E. Library of the Engineering Societies, 29 W. 39th St., New York.

This library is formed by the consolidation of the libraries of the American Institute of Electrical Engineers, the American Society of Mechanical Engineers, and the American Institute of Mining Engineers. This consolidation occurred in 1909, soon after the societies moved into the United Engineering Society building, the gift of Dr. Andrew Carnegie. Contains about 60,000 volumes and pamphlets. Receives currently over 800 periodicals and Society publications. The library is open to the public every week day from 9 A.M. to 10 P.M., except on New Year's Day, Fourth of July, Thanksgiving and Christmas, and the evening before these days.

Librarian, William Parker Cutter.

N. The New York Public Library, 476 Fifth Avenue, New York.

Founded May 23, 1895, by the consolidation of the "Astor Library," the "Lenox Library," and the "Tilden Trust," originally incorporated in 1849, 1870, and 1887 respectively. From the time of consolidation until 1911, the collections of the reference department of the library were housed in the Astor Library building and the Lenox Library building. In 1911 these collections were moved to the central building, erected by the City of New York for occupancy by the library,

and formally opened May 23, 1911. At the end of 1914 the reference department had 1,271,356 volumes and was receiving currently 8,390 periodicals and society publications. The collections, including those of the Technology Division, are open to the public every week day from 9 A.M. to 10 P.M., and on Sunday from 1 P.M. to 10 P.M.

Director, Edwin H. Anderson.

Chief of Technology Division, William B. Gamble.

P. Plainfield Public Library, Plainfield, New Jersey.

Founded 1882. Contains about 60,000 volumes and receives currently 228 periodicals and society publications. The technical and scientific accessions are maintained by a fund established for this purpose by George H. Babcock, Past President of the American Society of Mechanical Engineers. The library is open daily from 9 A.M. to 9 P.M., and on Sunday afternoons.

Librarian: Florence M. Bowman.

S. Library of Stevens Institute of Technology, Castle Point, Hoboken, New Jersey.

Established when the Institute was opened, in 1871. Contains about 11,000 volumes and pamphlets. The library receives currently 175 periodicals and society publications. It is open to the pubic from Monday to Friday of each week from 8.30 A.M. to 5 P.M., and on Saturday from 8.30 A.M. to 12 M.

Librarian, Enid May Hawkins.

REFERENCE WORKS CONSULTED

Great Britain. Patent Office. Catalogue of Library. Authors. 1898, 1910.

Carnegie Library of Pittsburgh. Classified catalogue. 1907-1914.

American Society of Civil Engineers. Catalogue of Library. 1900-1902.

Germany. Kaiserliches Patentamt. Katalog der Bibliothek. 1913.

Bolton, H. C. Catalogue of scientific and technical periodicals. 1885-1897.

Scudder, S. H. Catalogue of scientific serials. 1879.

Bureau of Railway Economics. Collective catalogue on railway economics. 1912.

Library of Congress. Union list of periodicals, transactions and allied publications. 1901.

Royal Society of London. Catalogue of the periodical publications in the Library. 1912.

University College, London. Catalogue of the periodical publications in the Library. 1912.

John Crerar Library. List of serials in public libraries in Chicago. 1906.

California University. List of serials in the University of California Library. 1913.

Illinois University. List of serials in libraries in Urbana and Champaign. 1911.

Free Library of Philadelphia. List of serials in the principal libraries of Philadelphia and vicinity. 1908.

Severance, H. O. Guide to the current periodicals and serials of the United States and Canada. 1914.

Rowell's American newspaper directory. 1908.

Deutscher journal-katalog. 1914.

Willing's press guide. 1911.

Annuaire des journaux revues et publications périodiques. 1910.

Minerva. Jahrbuch der gelehrten welt. 1914.

Ayer, N. W. & Son, American newspaper annual and directory. 1914.

Year-book of the scientific and learned Societies of Great Britain and Ireland. 1912.

Carnegie Institution of Washington. Handbook of learned Societies and Institutions. 1908.

LIST OF ABBREVIATIONS

D.	Daily	Y.	Yearly
W.	Weekly	Bien.	Biennial
S-W.	Semi-weekly	No.	Number
B-W.	Bi-weekly	Irreg.	Irregular
T-W.	Tri-weekly	Col.	Collection
M.	Monthly	Pt.	Part
S-M.	Semi-monthly	n.p.	No place
B-M.	Bi-monthly	n.d.	No date
T-M.	Tri-monthly	v.p.	Various places of publication
Q.	Quarterly	[ ]	Incomplete volume
S-A.	Semi-annually	+	Current

LIBRARY OF CONGRESS

Catalogue of Technical Periodicals

Libraries in the City of New York and Vicinity

A E G journal. M. Vol. 1+ July 1911+ Ber., 1911+
Continuation of A E G zeitung.
E. 1+

A E G zeitung. M. Vol. 1-13. 1899-June 1911. Ber., 1899-1911.
Continued as A E G journal.
E. [11], 12-13.

Académie Nationale, Agricole, Manufacturière et Commerciale.
Journal mensuel. M. Vol. 1-70. 1830(?)-1900. Par., 1830 (?)-1900.
No more published.
N. 67-70.

Académie Royale des Sciences, Paris *See* Paris. Académie des Sciences.

Academy of Natural Sciences of Philadelphia.
Proceedings. Irreg. Vol. 1+ 1841+ Phil., 1843+
Index to the scientific contents of the Journal and Proceedings. 1871-1910. Phil., 1913.
N. 1+; **E.** 1871+

Academy of Sciences of St. Louis.
Transactions. Irreg. Vol. 1+ 1856+ St. Louis, 1860+
CC. [1], 2-5, [6-7], 8-18, [19], 20, [21-22].

Acetylen in wissenschaft und industrie. B-M. Vol. 1+ 1898+ Halle, 1898+
E. 13+; **CC.** [2], 4-5.

Acetylene *See* Acetylene lighting and welding journal.

Acetylene gas journal *See* Acetylene journal.

Acetylene journal. M. Vol. 1+ 1900+ Chic., 1900+
Vol. 1 title reads Acetylene gas journal.
N. [1, 4-5], 6+; **E.** [5, 9-13], 14+

Acetylene lighting and welding journal. M. Vol. 1+ 1903+Lond., 1903+
Vol. 1-8 title reads Acetylene.
E. 6+

Actualités chimiques. M. Vol. 1-3. 1896-1898. Par., 1896-1898.
No more published.
N. [2], 3.

Advertising & selling. M. Vol. 1+ 1901 (?)+ N. Y., 1901 (?)+
S. 20+; **C.** 21+; **E.** [19], 20-22, [23].

Aera *See* American Electric Railway Association. Aera.

Aero Club d'Italia.
Navigazione aerea. M. Vol. 1+ 1912+ Roma, 1912+
E. [2], 3+

Aéronaute. M. Vol. 1-43. 1868-1910. Par., 1868-1910.
No longer issued as a separate publication. In January 1911, under the same title, formed a section of La Technique aéronautique.
N. 18.

Aëronautical annual. Y. Vol. 1-3. 1895-1897. Bost., 1895-1897.
No more published.
N. 1-3; **C.** 1.

Aëronautical journal. Q. Vol. 1+ 1897+ Lond., 1897+
N. 1+; **E.** [12], 13+

Aëronautical Society of Great Britain.
Annual report. Y. Vol. 1-23. 1866-1893. Lond., 1866-1893.
No more published.
CE. 1-22.

Aëronautical world. M. Vol. 1-2, No. 1. 1902-1903. Glenville, O., 1902-1903.
No more published.
N. 1.

Aeronautics, published by American engineer and railroad journal. M. Vol. 1, nos. 1-12. 1893-1894. N. Y., 1893-1894.
Ceased publication in October 1895. During existence was a supplementary subject in American engineer and railroad journal.
E. 1; **C.** [1].

Aeronautics. M. Vol. 1+ 1907+ N. Y., 1907+
Vol. 1-2, no. 1 (1907) title reads American magazine of aeronautics.
In 1914 incorporates Fly.
N. 1+; E. [2-3], 4+; C. 4-5, 8+

Aeronautics (London). M. New ser. Vol. 1+ 1907+ Lond., 1907+
E. 7+

Aerophile. S-M. Vol. 1+ 1893+ Par., 1893+
N. 1+; E. 1-7, [8-10], 11, [12], 13, [14-15], 16+; C. 18+

Age of invention and American inventor *See* American inventor.

Age of steel. W. Vol. 1-92, no. 23. 1857-1902. St. Louis, 1857-1902.
1857-1880 (Vol. 1-48) known as the Journal of commerce.
In December 1902 combined with Iron and steel and formed Iron and machinery world.
N. [57, 61-62], 64-70, [71-74, 76-79], 80-92; C. 77-78, 81-92; E. 77-78, 81, 85-92.

Air Brake Association.
Proceedings of the annual convention. Y. 1st+ 1894+ v.p., 1894+
Until 1898 known as the Association of Railroad Air Brake Men.
E. 16-17, 19+; CE. 16.

Aircraft. M. Vol. 1+ 1910+ N. Y., 1910+
N. 1+.

Akademie der Wissenschaften, Wien *See* Vienna. Kaiserliche Akademie der Wissenschaften.

Akademie van Wetenschappen, Amsterdam *See* Amsterdam. Koninklijke Akademie van Wetenschappen.

Alabama Industrial and Scientific Society.
Proceedings. Y. Vol. 1-9. 1891-1899. Tuscaloosa, Ala., 1891-1900.
No more published.
C. 1-9; E. 1-9; CE. 1, 3-9.

Albany Society of Civil Engineers.
Papers. M. Vol. 1, nos. 1-2. 1910. Albany, N. Y., 1910.
No more information available.
N. 1.

Alchemical Society.
Journal. M. Vol. 1+ 1913+ Lond., 1913+
CC. 1+

Allgemeine automobil-zeitung. W. Vol. 1+ 1900+ Ber., 1900+
E. 10+

Allgemeine bauzeitung mit abbildungen. Q. Vol. 1+ 1836+ Wien, 1836+
Inhalts-verzeichniss. Vol. 1-20. 1836-1855. Wien, 1857.
Inhalts-verzeichniss. Vol. 1-50. 1836-1885. Wien, n. d.
C. 1+; N. 16+; CE. 39-40.

Allgemeine nordische annalen der chemie für die freunde der naturkunde und arzneiwissenschaft insbesondere der pharmacie, arzneimittellehre, physiologie, physik, mineralogie und technologie in russischen reiche. Vol. 1-8. 1817-1822. St. Petersburg, 1817-1822.
Vol. 1 title reads Nordische blätter für chemie.
Continued as Magazin für die neuesten erfahrungen, entdeckungen und berichtungen im gebiete der pharmacie, 1823-1831.
In 1832 this magazine united with Archiv des Apotheker-Vereins im nördlichen Teutschland and formed Annalen der pharmacie.
N. 1-8.

Allgemeine österreichische chemiker- und techniker-zeitung. S-M. Vol. 1+ 1883(?)+ Wien, 1883(?)+
Supplements are: (1) International Verein der Bohringenieure und Bohrtechniker. Zeitschrift, (2) Allgemeine Technische Verein, Zeitschrift, and (3) Oel- und fett-industrie.
E. 12-22, [26-27], 28+; CC. 17-18, 29+

Allgemeine Technische Verein.
Zeitschrift. S-M. Vol. 1-7(?). 1890-1896(?). Wien, 1890-1896 (?).
Supplement of Allgemeine österreichische chemiker- und techniker-zeitung.
E. 5-7.

Allgemeine zeitschrift für textilindustrie. S-M. Vol. 1-7. 1879-1885. Chemnitz, 1879-1885.
No more published.
N. 2-3.

Allgemeine zeitung für nazional-industrie und verkehr, etc. *See* Wieck's deutsche illustrirte gewerbezeitung.

Allgemeiner anzeiger für brauereien, mälzereien und hopfenbau. S-W. Vol. 1+ 1885+ Ber., 1885+
Vol. 1-4 title reads Internationaler anzeiger für brauereien, mälzereien und hopfenbau.
CC. [25, 27].

Allgemeines journal der chemie. Vol. 1-10. 1798-1803. Lpz., 1798-1803.
Continued as Neues allgemeines journal der chemie, 1803-1806, and Journal für die chemie, physik und mineralogie, 1806-1810.
See also Journal für chemie und physik.
N. 1-10.

Almanach-annuaire de l'électricité et de l'électrochimie. Y. Vol. 1-10. 1885-1894. Par., 1885-1894.
No more information available.
N. 1-9.

Aluminium, l'acétylene, l'or, et l'argent *See* Journal du four electrique et de l'électrolyse.

Aluminium, l'or, et l'argent *See* Journal du four electrique et de l'électrolyse.

Aluminum world. M. Vol. 1-8. 1894-1902. N. Y., 1894-1902.
Combined with Brass founder and finisher and Electro-platers review in January 1903 and formed Metal industry.
Vol. 3, no. 4-Vol. 8, no. 3 title reads Aluminum world and brass and bronze industries.
Vol. 8, nos. 4-15 title reads Aluminum world and brass and copper industries.
E. 1-8; N. 1-8.

Amalgamated engineers monthly journal and report. M. New ser. Vol. 1-8, 1913+ 1905+ Lond., 1905(?)+
E. 6-7, [8, 1913], 1914+

Amalgamated Society of Engineers.
Annual report. Y. Vol. 1+ 1850+ Lond., 1850+
C. 14-16, 34-36, 39, 43-44, 46-47, 51-56; **E.** 52-57, 59+

American Academy of Arts and Sciences.
Memoirs. Irreg. Vol. 1-4. New ser. Vol. 1+ 1785+ Bost.-Cambridge, 1785+
C. 1+; **N.** 1+; **P.** [10-11].

American Academy of Arts and Sciences.
Proceedings. Irreg. Vol. 1+ 1846+ Bost., 1848+
C. 1+; **N.** 1+; **CE.** 13+; **E.** 1-2, 8, [34-37, 43], 44+; **CC.** 1-7, 11-31, [32-33], 34+

American architect. W. Vol. 1+ 1876+ Bost.-N. Y., 1876+
Until 1904 published in Boston.
Until 1909 title reads American architect and building news.
CE. 1+; **C.** 1+; **N.** 1+; **P.** 1+; **E.** [102], 103+

American artizan. W. Vol. 1, 1864; New ser. Vol. 1-24, 1865-1875. N. Y., 1864-1875.
Vol. 1 title reads American artizan and patent record.
No more published.
N. 1, New ser. 1, [2], 3-19.

American Association for the Advancement of Science.
Proceedings. Y. Vol. 1+ 1848+ Phil., 1849+
E. 1+; **P.** 1+; **S.** 1+; **CC.** 1+; **CE.** 20, [31], 34, 36+

American Association of Demurrage Officers.
Proceedings of the annual convention. Y. 1st+ 1890+ v.p., 1890+
Until May 1908 known as the National Association of Car Service Managers.
E. 2nd-10th, 12th-13th, 16th-17th, 19+

American Association of Manufacturers of Sand-Lime Products *See* Sand-Lime Brick Association.

American Association of Public Accountants.
Year-book. Y. 1906+ N. Y., 1906+
E. 1912+

American blacksmith. M. Vol. 1+ 1902+ Buffalo, N. Y., 1902+
E. 2, 4, 6+; **N.** [12], 13+

American Boiler Manufacturers' Association.
Proceedings of the annual convention. Y. 1st+ 1889+Cleveland, O., 1889+
CE. 7.

American Brass Founders' Association *See* American Institute of Metals.

American Brewing Institute.
Transactions. M. Vol. 1-5. May 1901-March 1910. N. Y., 1901-1910.
No more published.
CC. 1-5.

American Ceramic Society.
Transactions. Y. Vol. 1+ 1899+ Columbus, O., 1900+
CE. 1+; **E.** 1+; **C.** 4-5; **CC.** 9-10, 12+

American chemical journal. Q. Vol. 1-50. 1879-1913. Baltimore, Md., 1879-1913.
In 1914 incorporated with the Journal of the American Chemical Society.
General index. Vol. 1-10. 1879-1888. Baltimore, Md., 1890.
General index. Vol. 11-20. 1889-1898. Baltimore, Md., 1899.
General index. Vol. 21-50. 1899-1913. Baltimore, Md., 1914.
CC. 1-50; **C.** 1-50; **N.** 1-50; **S.** 1-4, 6-9, [10-11], 28-50; **P.** 19-50; **E.** 1-7, [15-17], 21-22, [25-26].

American chemical review. M. Vol. 1-5. 1882-1885. Chic., 1882-1885.
No more information available.
CC. [1-3], 4-5; **C.** 4-5.

American Chemical Society.
Chemical abstracts. S-M. Vol. 1+ 1907+ Easton, Pa., 1907+
Continuation of Review of American chemical research.
CC. 1+; **C.** 1+; **E.** 1+; **S.** 1+; **N.** [1], 3+

American Chemical Society.
Journal. M. Vol. 1+ 1879+ N. Y.-Easton, Pa., 1879+
Vol. 1-15 published in New York.
1879 has the Proceedings published with the Journal, having separate title page and paging.
In 1894 the Journal of analytical and applied chemistry was incorporated with the Journal.
In 1914 absorbed the American chemical journal.
General index to the Journal, Vol. 1-20, 1879-1898 and to the Proceedings, 1877-1879. Easton, Pa., 1902.
CC. 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 1+; **CE.** 1-3, [8, 29], 30, [31], 32, [34].

American Chemical Society.
Journal of industrial and engineering chemistry. M. Vol. 1+ 1909+ Easton, Pa., 1909+
CC. 1+; **C.** 1+; **E.** 1+; **S.** 1+; **CE.** 3.

American Chemical Society.
Proceedings. Q. Vol. 1+ 1876+ N. Y.-Easton, Pa., 1877+
Vol. 1-2 (1876-1878) bound separately.
1879+ continued in the Journal.
General index to the Journal, Vols. 1-20, 1879-1898 and to the Proceedings, 1877-1879. Easton, Pa., 1902.
CC. 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 1+

American Chemical Society.
Review of American chemical research. M. Vol. 1-12. 1895-1906. Easton, Pa., 1895-1906.
Vol. 1-7 formed a part of Technology quarterly Vol. 8-14.
Continued as Chemical abstracts.
N. 1-12; E. 1-6, 8-12; S. 2-12; CE. 3-7.

American chemist. M. Vol. 1-7, no. 10. 1870-1877. N. Y., 1870-1877.
Vol. 3-4 published in Philadelphia.
No more published.
Continuation of Chemical news, authorized American reprint.
CC. 1-7; C. 1-7; S. 1-7; E. 1, [2], 3-4, [7]; CE. 3-4, 7; N. 1-2, [5].

American city. M. Vol. 1+ 1909+ N. Y., 1909+
C. [5], 6+; E. 10+

American Concrete Institute.
Journal. M. Vol. 1+ November 1913+ Phil., 1913+
E. 1+

American contractor. W. Vol. 1+ 1879+ Chic., 1879+
N. [14-15, 17-18, 25, 27, 29-31], 32+; E. 35+

American distillers' review. M. Vol. 1+ 1911+ N. Y., 1911+
CC. 1+

American electric and automobile patents monthly. M. Vol. 1, nos. 1-6. 1902. Wash., 1902.
No more published.
E. 1.

American Electric Railway Accountants' Association *See* American Electric Railway Association.

American Electric Railway Association.
Aera. M. Vol. 1+ 1912+ N. Y., 1912+
E. 1+

American Electric Railway Association.
Proceedings. Y. 1911+ N. Y., 1911+
Continuation of American Street and Interurban Railway Association.
Contains also Proceedings of the American Electric Railway Accountants' Association, American Electric Railway Claims Association, American Electric Railway Transportation and Traffic Association.
E. 1911+; N. 1908-1911.

American Electric Railway Claims Association *See* American Electric Railway Association.

American Electric Railway Transportation and Traffic Association *See* American Electric Railway Association.

American Electrical Society.
Journal. Irreg. Vol. 1-3. 1875-1880. Chic., 1875-1880.
E. 1-2; S. [2-3].

American electrician. M. Vol. 1-17. 1896-1905. N. Y., 1896-1905.
Vol. 1-7 title reads Electrical industries.
Weekly World's Fair supplement. Vol. 1. 1893. Chic., 1893.
In 1896 consolidated with Electrical world.
E. 1-17; C. 8-17; N. [8], 9-17; S. 9-17.

American Electro-Therapeutic Association.
Transactions. Y. Vol. 1+ 1891+ N. Y., 1891+
N. 2-5; C. 9-10; E. 14, 16-17.

American Electrochemical Society.
Transactions. Irreg. Vol. 1+ 1902+ Phil.-South Bethlehem, Pa., 1902+
Vol. 1-12 published in Philadelphia.
Table of contents. Vol. 1-18. 1902-1910. South Bethlehem, Pa., n.d.
General index. Vol. 1-20. 1902-1911. South Bethlehem, Pa., 1913.
CC. 1+; CE. 1+; C. 1+; E. 1+; N. 1+; S. 14+

American engineer. W. Vol. 1-23. 1880-1892. Chic., 1880-1892.
No more published.
CE. 1-23; C. 1-21; N. 2-22; E. 2-21; S. 1, [2], 3-6, [9], 10-11, [12], 13, [14-15], 16-19, [20-22].

American engineer *See* Railroad advocate.

American engineer and railroad journal. M. Vol. 1-87, no. 5. 1832-1913. N. Y., 1832-1913.
Vol. 1-6, 18-52 published weekly; Vol. 7-15 published semi-monthly; Vol. 16-17, 57-87 published monthly.
Vol. 1-60 title reads American railroad journal.
In 1838 Mechanics' magazine and register of inventions and improvements was incorporated with American railroad journal.
In 1887 (Vol. 61) American railroad journal and Van Nostrand's eclectic engineering magazine consolidated, and the title became Railroad and engineering journal.
The volume number of American railroad journal is retained.
In 1893 (Vol. 67) the title became American engineer and railroad journal.
In 1896 the National car and locomotive builder consolidated with American engineer and railroad journal and the title became American engineer, car builder and railroad journal. (Vol. 70-72).
In 1913 (Vol. 87, no. 6) became the Mechanical edition of Railway age gazette and continued under the title of Railway age gazette. Mechanical edition.
N. 1-53, [55], 56-87; CE. 1-40, 61-87; C. 1-6, 7-15, 18-25, 27-28, 61-83; E. 61-87; S. 61-87; P. 69-87.

American fertilizer. B-W. Vol. 1+ 1894+ Phil., 1894+
Published monthly until January 1910.
CC. 12-19, 33, 35+; E. 16, [17-18], 28+

American forestry *See* American Forestry Association. American forestry.

American Forestry Association.
American forestry. M. Vol. 1+ 1895+ Wash., 1895+
Vol. 1, nos. 1-3 title reads New Jersey forester and is the official organ of the South New Jersey Woodmen's Association.
Vol. 1, no. 4-Vol. 7 title reads Forester, and 1895-1897 is the official organ of the New Jersey Forestry Association.
In 1902 absorbed National irrigation, and Vol. 8-14, no. 8 title reads Forestry and irrigation and is the official organ of the American Forestry Association and the National Irrigation Association.
Vol. 14, no. 9-Vol. 15 title reads Conservation.
P. 1+; N. [1], 3+; E. [4], 5+; S. 13+; CC. 15-18.

American Forestry Association.
Proceedings. Y. Vol. 1-12. 1882-1897. Wash., 1883-1897.
No more published.
Continued as the Forester.
CE. 1897.

American Foundrymen's Association.
Journal. M. Vol. 1-12. 1896-1904. N. Y., 1896-1904.
Continued as the Transactions.
N. [3], 4-6, [7], 8, 11-12; **CE.** 7-12; **E.** 9-12.

American Foundrymen's Association.
Transactions. Y. 1904+ N. Y., 1904+
Continuation of the Journal.
CE. 1904+; **E.** 1904+; **C.** 1904-1905, 1909-1910, 1912+; **N.** 1904; **S.** 1911.

American Gas Institute.
Gas Institute news. M. Vol. 1+ 1912+ N. Y., 1912+
E. 1+

American Gas Institute.
Proceedings. Y. Vol. 1+ 1906+ N. Y., 1907+
Formed by the union of the American Gas Light Association, the Ohio Gas Light Association and the Western Gas Association.
CC. 1+; **CE.** 1+; **E.** 1+; **S.** 1+; **C.** 2+

American Gas Light Association.
Proceedings of the annual meeting. Y. Vol. 1-22. 1873-1905. N. Y., 1875-1905.
In 1906 united with Ohio Gas Light Association and Western Gas Association to form the American Gas Institute.
CC. 1-22; **CE.** 1-22; **E.** 1-22; **S.** 1-22; **N.** [1], 2-7, [8], [11], 12-22.

American gas light journal. W. Vol. 1+ 1859+ N. Y., 1859+
N. 1-33, [44-53], 54-61, 64+; **C.** 1-3, 8-24, 26+; **E.** 12, 14-67, 69+; **CE.** [17-19, 21-26], 27, [28-29], 30-36, [37], 38-62, [63], 64+; **CC.** [10], 11, [12-13], 14-19, [20], 21-24, [25-26], 27-29, [30], 31-34, [35-36, 68-69], 70+; **S.** 45, [53], 54-56, [57], 58-59, [60-64], 65, [66-67], 68-69, [70-71], 72+

American Geographical and Statistical Society *See* American Geographical Society.

American Geographical Society.
Bulletin. Irreg. Vol. 1-2. 1852-1856. N. Y., 1852-1857.
No more published.
N. 1-2.

American Geographical Society.
Bulletin. M. Vol. 1+ 1859+ N. Y., 1859+
From Vol. 10-32 (1878-1900) the numbers published separately as Bulletin appear in annual volume with collective title Journal.
N. 1+; **E.** [1-2], 3, 6-8, 10-32, [33, 35, 38-40]; **S.** 30-35, [36-37], 38+

American Geographical Society.
Journal. Y. Vol. 1-32. 1859-1900. N. Y., 1859-1900.
Vol. 10-32 contain the Bulletin, 1878-1900. With Vol. 33 (1901) the title page reading Journal was discontinued and the publication appeared only as the Bulletin.
N. 1-32; **E.** [1-2], 3, 6-8, 10-32; **S.** 30-32; **CE.** [1].

American geologist. M. Vol. 1-36. 1888-1905, Minneapolis, Minn., 1888-1905.
From 1906 continued as Economic geology.
General index. Vol. 1-36. 1888-1905. Dubuque, Iowa, 1905.
E. 1-36; **N.** [1, 12, 14], 18-36.

American industries. M. Vol. 1+ 1902+ N. Y., 1902+
C. 3, 6-10, 12+; **E.** [7-8], 9+; **S.** 8-10.

American Institute of Architects.
Journal. M. Vol. 1+ 1913+ Harrisburg, Pa., 1913+
Continuation of the Quarterly bulletin of the American Institute of Architects.
E. 1+; **S.** 1+

American Institute of Architects.
Proceedings of the annual convention. Y. Vol. 1+ 1867+ v.p., 1867+
N. 1+; **CE.** 1, 4, 6+; **E.** 31-37, 39+; **P.** 27-33, 35; **S.** 39+

American Institute of Architects.
Quarterly bulletin. Q. Vol. 1-13, no. 3. 1900-1912. Wash., 1900-1912.
Discontinued October 1912.
Continued as the Journal of the American Institute of Architects.
E. [1-2], 3-13; **CE.** 1-12; **N.** 1-12; **S.** 8-13.

American Institute of Chemical Engineers.
Transactions. Y. Vol. 1+ 1908+ N. Y., 1908+
CC. 1+; **CE.** 1+; **C.** 1+; **E.** 1+; **P.** 1+; **S.** 2.

American Institute of Consulting Engineers.
Report of the annual meeting. Y. 1912. N. Y., 1912.
No reports published since 1912. Made in multigraph form only.
CE. 1912.

American Institute of Electrical Engineers.
Proceedings. M. Vol. 1+ 1887+ N. Y., 1887+
From 1887-1904 monthly and yearly publications known as Transactions.
Publications including contents of Transactions and index of authors. Vol. 1-29. 1884-1910. N. Y., n.d.
E. 1+; **S.** 11-14, 26+; **N.** 24+; **CE.** 25+; **CC.** 24-29, [30-31], 32+

American Institute of Electrical Engineers.
Transactions. Y. Vol. 1+ 1884+ N. Y., 1884+
From 1887-1904 both monthly and yearly publications known as Transactions.
Publications including contents of Transactions and index of authors. Vol. 1-29. 1884-1910. N. Y., n.d.
Index to Transactions. Vol. 1-2. 1884-1910. N. Y., 1913.
CE. 1+; E. 1+; N. 1+; P. 1+; S. 1+; C. 1-2, 4+; CC. 5+

American Institute of Metals.
Bulletin. Irreg. No. 1+ 1910+ Buffalo, N. Y., 1910+
Known as the American Brass Founders' Association until 1912.
E. 1+

American Institute of Metals.
Transactions. Y. Vol. 1+ 1908+ Buffalo, N. Y., 1908+
Known as the American Brass Founders' Association until 1912.
E. 1+; N. 1+; CE. 1+; CC. 3+; C. 4+

American Institute of Mining Engineers.
Bulletin. M. No. 1+ 1905+ N. Y., 1905+
Nos. 1-24 known as Bi-monthly bulletin.
CE. 1+; CC. 1+; E. 1+; N. 6-10, 12, 16-18, 25-26, 29-34, 38-48, 50, 52-60; C. 49+

American Institute of Mining Engineers.
Transactions. Y. Vol. 1+ 1871+ N. Y., 1871+
Index. Vol. 1-5. 1871-1877 in Vol. 5. Easton, Pa., 1877.
Index. Vol. 1-10. N. Y., 1888.
Contents and general index. Vol. 1-15. 1871-1888. N. Y., 1888.
Contents and general index. Vol. 1-20, 1871-1892. 2 pts. in 1 vol. N. Y., n.d.
Contents and index. Vol. 1-25. 1888-1897. N. Y., n.d.
Contents and index. Vol. 1-30. 1888-1902. 4 pts. in 1 vol. N. Y., n.d.
General alphabetical and analytical index. Vol. 1-35. 1871-1904. N. Y., 1907.
General alphabetical and analytical index. Vol. 36-40. 1905-1909. N. Y., 1910.
CC. 1+; CE. 1+; C. 1+; E. 1+; P. 1+; S. 1, 3, 5+

American inventor. M. Vol. 1-10 (?) 1878-1887 (?) Cincinnati, O., 1878-1887 (?)
N. [3, 5-7].

American inventor. M. Vol. 1-16 (?) 1898-1907 (?) Washington, D. C., 1898-1907 (?)
Vol. 1-2, no. 6 title reads Age of invention and American inventor.
Published semi-monthly until June 1905.
Popular science news consolidated with American inventor in January 1903.
Ceased publication.
N. [2-4], 5-15, [16]; E. [5], 6-16; CE. 6-8, [9].

American Iron and Steel Association.
Bulletin. M. Vol. 1-46. 1866-1912. Phil., 1866-1912.
Combined with the American Iron and Steel Institute in 1913.
C. 1-46; CE. 1, 6-45; E. 14-46; N. [7], 16-46; CC. 37-40.

American Iron and Steel Association.
Statistics of the American and foreign iron trades; annual statistical report. Y. 1868-1912. Phil., 1868-1913.
Reports for 1871-1873 title reads Report of the Secretary.
Report for 1874 the annual report and the statistical report have separate title pages.
Report for 1875 title reads American iron trade in 1876; annual report to 1876.
N. 1871, 1874+; CE. 1871, 1874+; E. 1873+; C. 1871, 1873-1874, 1876-1877, 1880-1905; S. 1902, 1905, 1907.

American Iron and Steel Institute.
Monthly bulletin. M. Vol. 1+ 1913+ N. Y., 1913+
E. 1+

American Iron and Steel Institute. Statistical bureau.
Statistical bulletin. M. No. 1+ 1913+ Phil., 1913+
E. 1+

American journal of mathematics. Q. Vol. 1+ 1878+ Baltimore, 1878+
N. 1+; E. 2-6, 8+

American journal of mining *See* Engineering and mining journal.

American journal of public hygiene *See* American Public Health Association. American journal of public hygiene.

American journal of railway appliances *See* Journal of railway appliances and railway price.

American journal of science. M. Vol. 1-50, 1818-1845; Ser. 2, Vol. 1-50, 1846-1870; Ser. 3, Vol. 1-50, 1871-1895; Ser. 4, Vol. 1+ 1896+ New Haven, 1818+
From 1820-1879 title reads American journal of science and arts.
Commonly called Silliman's journal of science.
General index. Ser. 1, Vol. 1-49 in Vol. 50. New Haven, 1847.
General index. Ser. 2, Vol. 1-10 in Vol. 10. New Haven, 1850.
General index. Ser. 2, Vol. 11-20 in Vol. 20. New Haven, 1855.
General index. Ser. 2, Vol. 21-30 in Vol. 30. New Haven, 1860.
General index. Ser. 2, Vol. 31-40 in Vol. 40. New Haven, 1865.
General index. Ser. 2, Vol. 41-50 in Vol. 50. New Haven, 1870.
General index. Ser. 3, Vol. 1-10 in Vol. 10. New Haven, 1875.
General index. Ser. 3, Vol. 11-20 in Vol. 20. New Haven, 1880.
General index. Ser. 3, Vol. 21-30. New Haven, 1886.

American journal of science (*Continued*)
General index. Ser. 3, Vol. 31-40. New Haven, 1890.
General index. Ser. 3, Vol. 41-50. New Haven, 1896.
General index. Ser. 4, Vol. 1-10. New Haven, 1900.
General index. Ser. 4, Vol. 11-20. New Haven, 1906.
General index. Ser. 4, Vol. 21-30. New Haven, 1911.
C. 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 1+; **CC.** Ser. 1, 1-4, [6], 8-9, [11], 12-13, [15], 16-48, [49], 50, Ser. 2, 1-22, [23], 24+; **CE.** Ser. 1, 28-33, Ser. 2, 11-20.

American Leather Chemists' Association.
Journal. M. Vol. 1+ 1906+ Easton, Pa., 1906+
CC. 1+; **C.** 7+

American machinist. W. Vol. 1+ 1877+ N. Y., 1877+
P. 2+; **N.** [2], 3, [4], 5-18, [19], 20+; **E.** 3+; **C.** 2-32, [33], 35+; **S.** [2-5], 6-7, [8], 9, [10], 11-13, [14], 15+; **CE.** [1-4], 5, [6], 33+

American magazine of aeronautics *See* Aeronautics.

American magazine of useful and entertaining knowledge. M. Vol. 1-3. 1834-1837. Bost., 1834-1837.
No more published (?).
N. 1-3; **E.** 2.

American manufacturer and iron world *See* Steel and iron.

American Manufacturers' Export Association.
Proceedings of the annual convention. Y. 1st+ 1910+ N. Y., 1910+
E. 3rd-4th.

American marine engineer. M. Vol. 1+ 1906+ Chic., 1906+
N. [1], 2+; **E.** [2], 3+

American Mathematical Society.
Bulletin. M. Vol. 1+ October 1894+ N. Y., 1894+
Continuation of the Bulletin of the New York Mathematical Society.
General index. Vol. 1-13. 1891-1904. N. Y., 1904. Contains also index for the Bulletin of the New York Mathematical Society, 1891-1894.
C. 1+; **S.** 1-8, [9], 10+; **CE.** 12+

American Mathematical Society.
Transactions. Q. Vol. 1+ 1900+ N. Y., 1900+
Index. Vol. 1-5 in Vol. 5.
P. 1+; **CE.** 7+

American mechanic. M. Vol. 1, nos. 1-4. 1876. N. Y., 1876.
No more information available.
E. [1].

American mechanics' magazine. W. Vol. 1-2. 1825-1826. N. Y., 1825-1826.
Continued as the Franklin journal and American mechanics' magazine, which later became the Journal of the Franklin Institute.
N. 1-2.

American metal market and daily iron and steel report. D. Vol. 1+ 1883+ N. Y., 1883+
N. [10-16].

American Metrological Society.
Bulletin. 1873-1874, 1878. N. Y., 1873-1878.
No more information available.
CE. 1874, 1878.

American Metrological Society.
Proceedings. Irreg. Vol. 1-5. 1873-1885. N. Y., 1880-1885.
Issued also in one volume, Proceedings, Vol. 1-5, from its foundation to the close of its 15th year, 1873-1888. N. Y., 1889.
E. 1-3.

American miller. M. Vol. 1+ 1873+ Chic., 1873+
E. 14+; **N.** [9, 11], 16, [17], 18-21, [22-23], 24+

American mineralogical journal. Irreg. Vol. 1. 1810-1813. N. Y., 1814.
No more published.
N.

American Mining Congress.
Mining Congress journal. M. Vol. 1+ 1915+ Denver, Colo., 1915+
Continuation of the Monthly bulletin.
E. 1+

American Mining Congress.
Monthly bulletin. M. Vol. 13-16, no. 3. 1910-March 1913. Denver, Colo., 1910-1913.
Year 1910 is the first year of publication and is given the same volume number as the Report of the proceedings for that year. Discontinued in March 1913.
Continued as Mining Congress journal beginning in 1915.
CE. 13-16; **E.** 13-16; **C.** 16.

American Mining Congress.
Report of the proceedings of the annual session. Y. 1st+ 1898+ Denver, Colo., 1898.
No meeting held in 1899.
C. 6+; **E.** 6+; **N.** 6-8, 10+; **CE.** 6-14.

American mining gazette and geological magazine. Vol. 1-5 (?). 1864-1868 (?). N. Y., 1864-1868 (?).
Probably ceased publication in 1868.
N. [1-2].

American mining index. Vol. 1-6. 1864-1867. N. Y., 1864-1867.
Vol. 1 title reads Pacific index.
No more information available.
N. [3-5].

American mining news. W. Vol. 1-9. 1899-1904. N. Y., 1899-1904.
Consolidated with Journal for investors.
E. [1-6].

American motorist. M. Vol. 1+ 1909+ N. Y., 1909+
C. [3], 4+

American Paper and Pulp Association.
Report of proceedings. Y. 1st-25th. 1878-1902. v.p., 1878-1902.
Later proceedings are published as a supplement to the Paper trade journal.
CE. 21.

American Peat Society.
Journal. Q. Vol. 1+ 1908+ Toledo, O., 1908+
CC. 1+; E. 1+; S. 1-3, [4], 5+; CE. [2], 3+; N. [1-3], 4, [5].

American perfumer and essential oil review. M. Vol. 1+ 1906+ N. Y., 1906+
CC. [2-3], 5+

American Philosophical Society.
Early proceedings. 1744-1838. Compiled by one of the Secretaries from manuscript minutes of its meetings. Phil., 1884.
C.; E.; N.

American Philosophical Society.
Proceedings. Q. Vol. 1+ 1838+ Phil., 1840+
Memorial volume. Vol. 1. Phil., 1900.
Register of papers published in the Transactions, 1768-1878, and Proceedings, 1838-1883. Phil., 1881.
Subject register of papers published in the Transactions, 1768-1888, and Proceedings, 1838-1888. Phil., 1889.
General index to the Proceedings. Vol. 1-50. 1838-1911. Phil., 1912.
E. 1+; N. 1+; C. 1-43, 45+; CC. 8+; CE. 13-14, 16; S. 16-17.

American Philosophical Society.
Transactions. Irreg. Vol. 1-6, 1769-1809; New ser. Vol. 1+ 1818+ Phil., 1786+
No publication was issued from 1810-1817.
Register of papers published in the Transactions. Old ser. Vol. 1-6; New ser. Vol. 1-15. Phil., 1884.
N. 1-6, New ser. 1+; E. 1-6, New ser. 1-15; P. 6, New ser. 4; C. New ser. 20-21; CE. New ser. [12].

American Physical Society.
Bulletin. Q. Vol. 1-3, no. 1. 1899-1902. Ithaca, N. Y., 1899-1902.
No more published.
C. 1-3; N. 1-3; E. 1-2.

American Pig Iron Manufacturers' Association.
Annual convention. Y. 1872. Phil., 1872.
No more information available.
CE. 1872.

American Pig Iron Manufacturers' Association.
Proceedings and statistics. 1872-1873. Phil., 1872-1873.
No more information available.
CE. 1872-1873.

American polytechnic journal *See* Greenough's American polytechnic journal.

American Public Health Association.
American journal of public hygiene. Q. Vol. 1-20. 1891-1910. Bost., 1891-1910.
No more published.
Continued as the Journal.
CE. 18-20.

American Public Health Association.
Journal. Q. New ser. Vol. 1-2, no. 3. 1911-1912. Columbus, 1911-1912.
Continuation of the American journal of public hygiene.
Continued as the American journal of public health.
CE. 1.

American Public Works Association.
Proceedings at the convention. Y. 1st-7th (?). 1905-1911 (?). Atlanta, Ga., 1905-1911 (?).
No longer in existence.
CE. 2; E. 2.

American railroad journal *See* American engineer and railroad journal.

American Railway Association.
Proceedings. S-A. Vol. 1+ 1886+ N. Y., 1886+
The volume of 1886-1893 contains an appendix of the Proceedings of the General Time convention, 1872-1885 and of the Southern Railway Time convention, 1877-1885.
In 1886 the Southern Railway Time convention united with the General Time convention and in 1891 the convention became the American Railway Association.
CE. 1+; E. 1+; C. 1-5; N. 1-5.

American Railway Association.
Statistical bulletin. Irreg. No. 1+ July 1907+ N. Y., 1907+
Odd numbers are Comparative statements of car surpluses and shortages.
Even numbers are Statements of freight car balance and performance.
Supplements are issued occasionally.
E. 52-57, 59-61, 63, 68-69, 79+

American Railway Bridge and Building Association.
Proceedings of the annual convention. Y. 1st+ 1891+ Concord, N. H., 1891+
1st-4th title reads Proceedings of the annual meeting of the American International Association of Railway Superintendents of Bridges and Buildings.
Until 1908 known as the Association of Railway Superintendents of Bridges and Buildings.
CE. 1+; N. 2+; E. 7+

American Railway Engineering and Maintenance-of-Way Association *See* American Railway Engineering Association.

American Railway Engineering Association.
Bulletin. M. Nos. 1+ 1900+ Chic., 1900+
Until April 1911 known as the American Railway Engineering and Maintenance-of-way Association.
No. 1 is called Vol. 2, no. 1 being Vol. 2 of the publication of the Association.
CE. 1, 28+; E. 1, 29, 41, 93-133, 135-142, 144-154, 156+

American Railway Engineering Association.
Manual. Irreg. Ed. 1+ 1905+ Chic., 1905+
1st edition was published in 1905.
2nd edition was published in 1907.
Supplements were published in Bulletins 79 and 103.
E. Ed. 3, 1911.

American Railway Engineering Association.
Proceedings of the annual convention. Y. Vol. 1+ 1900+ Chic., 1900+
Until April 1911 known as the American Railway Engineering and Maintenance-of-way Association.
CE. 1+; **E.** 1-9, 11+; **C.** 10+; **N.** 1-4, 6, 8-11.

American Railway Master Mechanics' Association.
Report of the proceedings of the annual convention. Y. Vol. 1+ 1868+ v.p., 1868+
1868-1874, 1876-1880 title reads Annual report.
General index to the Annual reports. Vol. 1-23. 1868-1890. Newark, N. J., 1890.
Index. Vol. 1-33. 1868-1900. Chic., 1901.
CE. 1+; **E.** 1+; **N.** 1-2, 4-5, 7+; **S.** 36+

American Railway, Mechanical and Electrical Association.
Report of the annual convention. Y. 1st-3rd. 1903-1905. Detroit, Mich., 1903-1905.
From 1906 continued as American Street and Interurban Railway Association.
E. 2-3.

American railway review. W. Vol. 1-6. 1859-1862. N. Y., 1859-1862.
N. 1-4, [5-6]; **E.** 1-2.

American repertory of arts, sciences, and manufacturers. M. Vol. 1-4. 1840-1842. N. Y., 1840-1842.
No more information available.
S. 1-4; **N.** [2-4].

American Road Builders' Association.
Proceedings of the annual convention. Y. 1st+ 1904+ N. Y., 1904+
Previous to 1911 published in Good roads.
CE. 8th; **E.** 8th.

American shoemaking. W. Vol. 1+ 1901+ Bost., 1901+
N. [28-29, 32].

American soap journal and manufacturing chemist. M. Vol. 1-17. 1890-1907. Chic.-Milwaukee, 1890-1907.
Vol. 1-10 published in Chicago.
No more published.
N. 8-17.

American Society for Testing Materials.
Proceedings of the annual meeting. Y. Vol. 1+ 1899+ Phil., 1899+
Vol. 1 title reads Bulletin of the International Association for Testing Materials. American section. Until June 1902 known as the American section of the International Association for Testing Materials.
Index to Proceedings. Vol. 1-12. 1898-1912. Phil., 1913.
CC. 1+; **CE.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **C.** 2+; **S.** 2-6, 8-9, 11.

American Society for Testing Materials.
Yearbook. Y. 1910+ Phil., 1910+
Year 1912 bound with the Proceedings.
CE. 1910+; **E.** 1910+; **CC.** 1910+

American Society of Agricultural Engineers.
Transactions. Y. Vol. 1+ 1907+ Ames, Iowa, 1907+
E. 1+; **CE.** 1-4; **S.** 1-4.

American Society of Brewing Technology.
Journal. M. Vol. 1-2. December 1908-September 1910; Vol. 1+ October 1910+ Chic., 1908+
From December 1908-September 1910 known as the Society of Brewing Technology.
In 1908 the Zymotechnica Association and the Society of Brewing Technology published a combined volume.
CC. [1], 2, 1+; **E.** [2], [1-2].

American Society of Civil Engineers.
Bulletin. Irreg. No. 1-69. 1892-1895. N. Y., 1892-1895.
No more published.
CE. 1-69.

American Society of Civil Engineers.
Proceedings. 10 nos. Y. 1873+ N. Y., 1873+
CE. 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 1-22, 27, 31+; **CC.** 2-7, 9.

American Society of Civil Engineers.
Transactions. Q. Vol. 1+ 1867+ N. Y., 1872+
Vol. 29-30 contain the papers read before Division A (Civil Engineering) of the International Engineering Congress, Chicago, 1893.
Vol. 54 Pts. A-F contain the papers and discussions of the International Engineering Congress, St. Louis, 1904.
Index. Vol. 1-10. n.p., n.d.
Index. Vol. 1-21. 1868-1889. N. Y., 1890.
Index. Vol. 1-34. 1890-1896. 3 Vols. N. Y., 1890-1896.
Index. Vol. 1-45. 1867-1901. N. Y., 1901.
Index. Vol. 46-59. 1901-1907. N. Y., 1908.
Index. Vol. 1-74. 1867-1911. N. Y., 1912.
CE. 1+; **E.** 1+; **P.** 1+; **S.** 1+; **N.** 1-58, 60+; **C.** 1-68, 70+; **CC.** 5-10, 12, 27+

American Society of Engineer Draftsmen. Journal. *See* Technical League of America. Journal.

American Society of Engineering Contractors.
Engineering contractor. M. Vol. 1+ 1913+ N. Y., 1913+
Continuation of the Journal.
E. 1+

American Society of Engineering Contractors.
Journal. 10 nos. Y. Vol. 1-5, no. 6. 1909-1913. N. Y., 1909-1913.
Continued as Engineering contractor.
CE. 1-5; **E.** [2], 3-5; **C.** [4], 5.

American Society of Heating and Ventilating Engineers.
Transactions. Y. Vol. 1+ 1895+ N. Y., 1895+
C. 1+; **E.** 1+; **S.** 5+; **CE.** 9+

American Society of Irrigation Engineers.
Transactions. Irreg. Vol. 1-2, no. 3. 1892-1897. Denver, Colo., 1892-1897.
1892-1893 called Annual.
1895, (Vol. 2, nos. 1-2) called Quarterly.
No more information available.
CE. 1-2; **P.** 1.

American Society of Marine Draftsmen.
Journal. Q. Vol. 1+ April 1914+ Washington, D. C., 1914+
E. 1+

American Society of Mechanical Engineers.
Journal. M. Vol. 28+ 1906+ N. Y., 1906+
From October 1906-June 1908 title reads Proceedings.
Volume number is the same as the volume number of Transactions.
CE. 28+; **E.** 28+; **S.** 28+; **N.** 28+; **C.** [30], 31+

American Society of Mechanical Engineers.
Transactions. Y. Vol. 1+ 1880+ N. Y., 1880+
Contents and general index. Vol. 1-5. 1880-1884 in Vol. 5. N. Y., 1884.
Contents and general index. Vol. 1-10. 1880-1890 in Vol. 10. N. Y., 1890.
Contents and general index. Vol. 1-15. 1880-1894 in Vol. 15. N. Y., 1894.
Contents and general index. Vol. 1-20. 1880-1899. N. Y., 1899.
General index to the Transactions. Vol. 1-25. 1880-1904 in Vol. 27. N. Y., 1906.
General index to the Transactions. Vol. 1-35. 1880-1913. (In preparation).
CE. 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 1+; **CC.** 1-11, 15+

American Society of Municipal Improvements.
Proceedings of the annual meeting. Y. 1st+ 1894+ Milwaukee, 1894+
In 1913 incorporated the Association for Standardizing Paving Specifications.
CE. 1st-18th; **N.** 2nd, 4th-18th; **E.** 2nd, 4th-7th, 12th-14th, 16th, 18th; **C.** 2nd, 4th-13th, 15th.

American Society of Naval Engineers.
Journal. Q. Vol. 1+ 1899+ Wash., 1899+
General index. Vol. 1-16. 1889-1904. Wash., 1905.
CE. 1+; **E.** 1+; **N.** 1+; **S.** [2-3], 4, [5], 6, [7, 9], 10, [11], 12-13, [14-15], 16+

American Society of Railroad Superintendents.
Proceedings of the meeting. Y. 1st+ 1881+ Bost., 1881+
From 1881-October 1886 known as the Association of American Railroad Superintendents.
From October 1886-October 1889 known as the Association of North American Railroad Superintendents.
CE. 17th-18th, 20th-22nd, 25th.

American Society of Refrigerating Engineers.
A. S. R. E. journal. B-M. Vol. 1+ November 1914+ N. Y., 1914+
E. 1+

American Society of Refrigerating Engineers.
Transactions. Y. Vol. 1+ 1905+ N. Y., 1905+
E. 1+

American Society of Swedish Engineers.
Bulletin. M. Vol. 1+ 1906+ Brooklyn, N. Y., 1906+
E. [3, 6], 7+; **N.** [3].

American stone trade. M. Vol. 1+ 1902+ Chic., 1902+
From 1902-1906 published as the Stone edition of Rock products and building materials.
N. 5+; **CE.** 7+

American Street and Interurban Railway Accountants' Association *See* American Street and Interurban Railway Association.

American Street and Interurban Railway Association.
Proceedings. Y. 1906-1910. N. Y., 1906-1910.
Formerly American Street Railway Association.
Contains also the Proceedings of the American Street and Interurban Railway Engineering Association, American Street and Interurban Railway Accountants' Association, Street Railway Claim Agents' Association of America, American Street and Interurban Railway Transportation and Traffic Association.
In 1910 name of Society changed to American Electric Railway Association.
E. 1906-1910; **N.** 1908-1910.

American Street and Interurban Railway Engineering Association *See* American Street and Interurban Railway Association.

American Street and Interurban Railway Transportation and Traffic Association *See* American Street and Interurban Railway Association.

American Street Railway Association.
Report of the annual meeting. Y. 1-24. 1882-1905. v.p., 1882-1905.
From 1882-1897 title reads Verbatim report.
From 1905 continued as American Street and Interurban Railway Association.
CE. 1, 3-24; **E.** 1, 3-24; **N.** 18, 20, 22-24.

American street railway investments *See* McGraw electric railway manual.

American sugar industry *See* Sugar.

American syren and shipping illustrated *See* Shipping illustrated.

American telephone journal. W. Vol. 1-18, no. 9. 1900-1908. N. Y., 1900-1908.
In February 1908 incorporated Sound waves.
In 1908 combined with Telephony.
N. [2], 3-18; **E.** [2-4], 5-18; **C.** 9-18.

American Train Dispatchers' Association *See* Train Dispatchers' Association.

American vanadium facts. M. Vol. 1+ 1911+ Pittsburg, 1911+
E. 1+

American vehicle. M. Vol. 1-21. 1888-1908. Phil., 1888-1908.
Ceased publication.
N. 18-20, [21].

American Water Works Association.
Proceedings. Y. Vol. 1+ 1881+ v.p., 1881+
From 1883-1902 title reads Report of Proceedings.
E. 1+; **CE.** 2+; **N.** 4-5, 19+; **C.** 6, 12, 20+; **S.** 6-20.

American Wood Preservers' Association.
Proceedings of the annual meetings. Y. Nos. 1+ 1905+ v.p., 1905+
From 1906-1912 known as Wood Preservers' Association.
No proceedings issued for 1908.
CE. 1-3, 5+; **E.** 2+; **N.** 6+

American Wood Preservers' Association.
Wood-preserving. Q. Vol. 1+ 1914+ Baltimore, Md., 1914+
Vol. 1 (1914) title reads Wood preservers' bulletin.
E. 1+

Amsterdam. Koninklijke Akademie van Wetenschappen.
Jaarboek. Y. 1857+ Amsterdam, 1858+
CC. 1901-1906, 1908-1911.

Anales de construcciones civiles, minas e industrias del Peru. Irreg. Ser. 1, Vol. 1-6, 1880-1887; Ser. 2, Vol. 1, 1901. Lima, 1880-1901.
No more information available.
CE. Ser. 1, 1-6, Ser. 2, 1; **E.** Ser. 1, 1-6, Ser. 2, 1.

Anales de ingenieria *See* Sociedad Colombiana de Ingenieros. Anales de ingenieria.

Anales de minas. Vol. 1-4. 1838-1846. Madrid, 1841-1846.
No more published.
N. 1-4.

Anales Mexicanos. W. Vol. 1, nos. 1-31. 1904. Mexico, 1904.
No more information available.
E. 1.

Analyst *See* Society of Public Analysts and Other Analytical Chemists. Analyst.

Annalen der chemie *See* Liebig's annalen der chemie.

Annalen der elektrotechnik. S-M. Vol. 1-5. 1906-1910. Lpz., 1906-1910.
No more published.
Consolidated with Elektrotechnische auskunft in 1911.
E. 1-5.

Annalen der hydrographie und maritimen meteorologie. M. Vol. 1+ 1873+ Ber., 1873+
Vol. 1-3 title reads Hydrographische mittheilungen.
Sach- und namen-register. 1873-1888. Ber., 1889.
N. 25+; **E.** 38+

Annalen der pharmacie *See* Archiv der pharmacie.

Annalen der pharmacie *See* Liebig's annalen der chemie.

Annalen der physik. M. Vol. 1-62. 1799-1818. Edited by L. W. Gilbert. Halle a S., 1799-1818.
Continuation of Journal der physik.
Continued as Annalen der physik und der physikalischen chemie.
E. 1-62; **N.** 1-62.

Annalen der physik. M. Ser. 4, Vol. 1+ 1900+ Lpz., 1900+
Continuation of Annalen der physik und chemie.
CC. 1+; **E.** 1+; **N.** 1+; **S.** 1+

Annalen der physik.
Beiblätter. M. Vol. 1+ 1877+ Lpz., 1877.
Vol. 1-23 title reads Beiblätter zu den Annalen der physik und chemie.
Namenregister. Vol. 1-15. 1877-1891. Lpz., 1893.
Namenregister. Vol. 16-30. 1892-1906. Lpz., 1909.
CC. 1+; **E.** 1+; **S.** 1-13.

Annalen der physik und chemie. M. Vol. 77-236, 1824-1877. Edited by J. G. Poggendorff. New ser. Vol. 1-69, 1877-1899. Edited by G. and G. E. Wiedemann. Lpz., 1824-1899.
Continuation of Annalen der physik und der physikalischen chemie.
Continued as Annalen der physik.
Ergänzungsband. Vol. 1-8. Lpz., 1842-1878.
Jubelband. Lpz., 1874.
Sach- und namen-register. Vol. 1-76. 1799-1824. Lpz., 1826.
Namen- und sach-register. Vol. 1-120. Ergänzungsband. Vol. 2-4. 3 Pts. in 1 v. Lpz., 1845-1865.
Namen-register. Vol. 1-150. Ergänzungsband. Vol. 1-6, nebst Jubelband, und sach-register. Vol. 121-150. Ergänzungsband. Vol. 5-6, nebst Jubelband. 1824-1874. Lpz., 1875.
Sachregister. Poggendorff'sche folge. Vol. 1-160. Ergänzungsband. Vol. 1-8, und Jubelband. 1824-1877. Lpz., 1888.
Namenregister. Vol. 151-160. 1874-1877, nebst Ergänzungsband, Vol. 7-8 der Poggendorff'schen reihe und zu Vol. 1-50, 1877-1893 der reihe von Wiedemann. Lpz., 1894.
Sachregister. Vol. 1-50. 1877-1893. Lpz., 1897.
E. 77-236, New ser. 1-69; **N.** 77-236, New ser. 1-69; **CC.** 77-84, 108-115, [116], 176-178, New ser. 1-69; **S.** 77-106, 137-236, New ser. 1-16, 18, 20-69.

Annalen der physik und der physikalische chemie. M. Vol. 63-76. 1819-1824. Edited by L. W. Gilbert. Halle a S., 1819-1824.
Continuation of Annalen der physik.
Continued as Annalen der physik und chemie.
E. 63-76; **N.** 63-76.

Annalen für gewerbe und bauwesen. S-M. Vol. 1+ 1877+ Ber., 1877+
Also known as Glaser's annalen für gewerbe und bauwesen.
Supplement. Literaturblatt.
E. 1+; **N.** [18-39], 40+; **CE.** [59], 60+

Annales de chimie *See* Annales de chimie et de physique.

Annales de chimie analytique et revue de chimie analytique. M. Vol. 1+ 1896+ Par., 1896+
N. 1+; **CC.** 1-2, 13-16, [17-18].

Annales de chimie et de physique. M. Ser. 1, Vol. 1-96, 1789-1815; Ser. 2, Vol. 1-78, 1816-1840; Ser. 3, Vol. 1-69, 1841-1863; Ser. 4, Vol. 1-30, 1864-1873; Ser. 5, Vol. 1-30, 1874-1883; Ser. 6, Vol. 1-30, 1884-1893; Ser. 7, Vol. 1-30, 1894-1903; Ser. 8, Vol. 1-30, 1904-1913; Ser. 9, Vol. 1+ 1914+ Par., 1789+
Vol. 1-96 (1789-1815) title reads Annales de chimie.
In 1914 (Ser. 9) formed two separate publications: Annales de chimie and Annales de physique.
Tables des matières. Ser. 1. Vol. 1-96. 1789-1816. 3 Vols. Par., 1801-1821.
Tables des matières. Ser. 2. Vol. 1-78. 1817-1840. 3 Vols. Par., 1831-1840.
Table générale raisonnée de matières. Ser. 3. Vol. 1-30. Par., 1851.
Table analytique des matières. Ser. 3. Vol. 31-69. 1851-1863. Par., 1866.
Table analytique des matières. Ser. 4. Vol. 1-30. 1864-1873. Par., 1874.
Table analytique des matières. Ser. 5. Vol. 1-30. 1874-1883. Par., 1885.
Table analytique des matières. Ser. 6. Vol. 1-30. 1884-1893. Par., 1895.
Table analytique des matières. Ser. 7. Vol. 1-30. 1894-1903. Par., 1911.
E. 1+; **N.** 1+; **S.** 1+; **CC.** Ser. 1. 1-6, 8-12, 14-19; Ser. 2, [72]. Ser. 3, [8, 12], 22, [23-24], 25-26, 37, [38-39], 40, [41-42], 49-57; Ser. 5, 16-21; Ser. 6, 7-15; Ser. 7, 1+

Annales de l'électricité. W. Vol. 1-3. 1882-1884. Bruxelles, 1882-1884.
No more information available.
E. 1-3.

Annales de physique. *See* Annales de chimie et de physique.

Annales des arts et manufacturers. M. Vol. 1-56, 1800-1815; Col. 2, Vol. 1-5, 1815-1817. Par., 1800-1817.
Table des matières. Vol. 1-26. 1800-1808. Par., 1808.
Table des matières. Vol. 1-56. 1800-1815. Par., 1815.
N. 1-56, Col. 2, 1-5.

Annales des mines. M. Vol. 1-38; Ser. 1, Vol. 1-13, 1816-1826; Ser. 2, Vol. 1-8, 1827-1830; Ser. 3, Vol. 1-20, 1832-1841; Ser. 4, Vol. 1-20, 1842-1851; Ser. 5, Vol. 1-20, 1852-1861; Ser. 6, Vol. 1-20, 1862-1871; Ser. 7, Vol. 1-20, 1872-1881; Ser. 8, Vol. 1-20, 1882-1891; Ser. 9, Vol. 1-20, 1892-1901; Ser. 10, Vol. 1-20, 1902-1911; Ser. 11, Vol. 1+ 1912+ Par., 1795+
1795-1815 title reads Journal des mines.
Published in 2 parts namely: Mémoires and Partie administrative.
Table alphabétique et analytique des matières. Ser. 1, Vol. 1-28. 1795-1810. Par., 1813.
Table alphabétique et analytique des matières. Ser. 1-2, Vol. 39-59. 1816-1830. Par., 1831.
Table alphabétique et analytique des matières. Ser. 3, Vol. 60-79. 1832-1841. Par., 1847.
Table alphabétique et analytique des matières. Ser. 4, Vol. 80-99. 1842-1851. Par., 1852.
Table alphabétique et analytique des matières. Ser. 5, Vol. 100-119. 1852-1861. Par., 1868.
Table alphabétique et analytique des matières. Ser. 6, Vol. 120-139. 1862-1871. Par., 1873.
Table alphabétique et analytique des matières. Ser. 7, Vol. 140-159. 1872-1881. Par., 1882.
Table alphabétique et analytique des matières. Ser. 8, Vol. 160-179. 1882-1891. Par., 1893.
Table alphabétique et analytique des matières. Ser. 9, Vol. 180-199. 1892-1901. Par., 1904.
Table alphabétique et analytique des matières. Ser. 10. 1902-1911. Par., 1913.
E. Ser. 1+; **N.** Ser. 1+; **C.** Ser. 2+; **CC.** Ser. 7, 15-20, Ser. 8, 1-20, Ser. 9, 1-8, 10, 15-20, Ser. 10, 1-14, 17-20, Ser. 11, 1+; **CE.** Ser. 3, 19-20.

Annales des mines, partie administrative, ou recueil de lois, décrets, arrêtes et autres actes. M. Ser. 5, Vol. 1-10, 1852-1861; Ser. 6, Vol. 1-10, 1862-1871; Ser. 7, Vol. 1-10, 1872-1881; Ser. 8, Vol. 1-10, 1882-1891; Ser. 9, Vol. 1-10, 1892-1901; Ser. 10, Vol. 1-10, 1902-1911; Ser. 11, Vol. 1+ 1912+ Par., 1852+
Annales des mines is published in 2 parts namely: Mémoires and Partie administrative. They have been published separately since 1852, but both have the same series and volume number.
C. Ser. 5+; **E.** Ser. 5+; **N.** Ser. 5+; **CC.** Ser. 7, 8-10, Ser. 8, 1-10, Ser. 9, 1-4, 8-10, Ser. 10, 2, 9-10, Ser. 11, 1+

Annales des mines de Belgique. Q. Vol. 1+ 1896+ Bruxelles, 1896+
Tables générales. Vol. 1-10. 1896-1905. Bruxelles, 1906.
C. 1-7, 9-15; **E.** [8], 9+

Annales des ponts et chaussées.
Lois, décrets, arrêtes. Irreg. Ser. 1, Vol. 1-10, 1831-1840; Ser. 2, Vol. 1-10, 1841-1850; Ser. 3, Vol. 1-10, 1851-1860; Ser. 4, Vol. 1-10, 1861-1870; Ser. 5, Vol. 1-10, 1871-1880; Ser. 6, Vol. 1-10, 1881-1890; Ser. 7, Vol. 1-10, 1891-1900; Ser. 8, Vol. 1-10, 1901-1910; Ser. 9, Vol. 1+ 1911+ Par., 1831+
Tables générales. Ser. 1-8. 1831-1910. 9 Vols. Par., 1831-1911.
C. Ser. 1, 1+; **N.** Ser. 1-6, Ser. 7, 1-6; **CE.** Ser. 1, [10], Ser. 2, 1, 5-6, [7], 8, Ser. 3, [1, 9], 10, Ser. 4, 6, 8-10, Ser. 5-7, Ser. 8, 10, Ser. 9, 1+; **E.** Ser. 6, 9, Ser. 7, [7], Ser. 8, [8], 9-10, Ser. 9, 1+

Annales des ponts et chaussées.
Mémoires et documents. B-M. Ser. 1, Vol. 1-20, 1831-1840; Ser. 2, Vol. 1-20, 1841-1850; Ser. 3, Vol. 1-20, 1851-1860; Ser. 4, Vol. 1-20, 1861-1870; Ser. 5, Vol. 1-20, 1871-1880; Ser. 6, Vol. 1-20, 1881-1890; Ser. 7, Vol. 1-20, 1891-1900; Ser. 8, Vol. 1-48, 1901-1910; Ser. 9, Vol. 1+ 1911+ Par., 1831+
Tables générales de la partie technique. (Mémoires et documents) Ser. 1-8. 1831-1910. Par., 1911.
CE. Ser. 1, 1+; **C.** Ser. 1, 1+; **N.** Ser. 1-6, Ser. 7, 1-15, [16], Ser. 8, 1+; **E.** Ser. 6, 17-18, Ser. 7, [5-6], Ser. 8, 31-48, Ser. 9, 1+

Annales des postes, télégraphes et téléphones. Q. Vol. 1+ 1911+ Par., 1911+
E. 1+

Annales des sciences géologiques; ou, Archives de géologie, de mineralogie, de paléontologie, etc. Vol. 1-2. 1842-1843. Par., n.d.
No more published.
N. 1-2.

Annales des travaux publics de Belgique. B-M. Vol. 1-68; Ser. 2, Vol. 1+ 1843+ Bruxelles, 1843+
Table générale des matières. Vol. 1-12. 1843-1854 in Vol. 12. Bruxelles, 1854.
Table générale des matières. Vol. 1-18. 1843-1860 in Vol. 18. Bruxelles, 1860.
Tables générale. Vol. 1-33. 1843-1875 in Vol. 33. Bruxelles, 1875.
Table générale. Vol. 34-56. 1876-1899 in Vol. 56. Bruxelles, 1900.
Table des matières. Ser. 2, Vol. 1-10. 1896-1905. Bruxelles, 1905.
C. 1-68; Ser. 2, 1+; **N.** 1-68; Ser. 2, 1+; **CE.** Ser. 2, 1-11.

Annales du génie civil. M. Ser. 1, Vol. 1-20, 1862-1871; Ser. 2, Vol. 1-20, 1872-1881. Par., 1862-1881.
No more published.
Table des matières. Vol. 1-16. 1862-1869. Par., n. d.
CC. Ser. 2, 2-6, [8], 9.

Annales industrielles. W. Vol. 1-27. 1869-1894. Par., 1869-1895.
No more published.
Table générale. Vol. 1-6. 1869-1874. Par., n.d.
N. 1-26; **CE.** [8]; **E.** 26.

Annales techniques. B-M. Vol. 1, nos. 1-3. 1906. Par., 1906.
Ceased publication.
N. 1.

Annales télégraphiques. M. Ser. 1, 1855-1856; Ser. 2, Vol. 1-8, 1858-1865; Ser. 3, Vol. 1-25, 1874-1899. Par., 1855-1899.
Publication suspended from 1866-1873 inclusive.
No longer published.
Table générale. 1855-1890. Par., 1891.
N. Ser. 1, 1855, Ser. 2, 2-8, Ser. 3, 1-25; **E.** Ser. 1, 1855-1856, Ser. 2, 1-8, Ser. 3, 1-19, [20], 21, [22].

Annals of British geology. Y. Vol. 1-4. 1891-1893. Lond., 1891-1893.
No more information available.
P. 4.

Annals of chemistry and practical pharmacy. W. Vol. 1. 1842-1843. Lond., 1842-1843.
No more published.
N. 1.

Annals of electricity, magnetism and chemistry. Q. Vol. 1-10. 1836-1843. Lond., 1837-1843.
No more published.
E. 1-10; **N.** 1-10; **S.** 1-10.

Annals of philosophy; or, Magazine of chemistry, mineralogy, mechanics, natural history, agriculture, and the arts. Vol. 1-16, 1813-1820; New ser. Vol. 1-12, 1821-1826. Lond., 1813-1826.
In 1827 united with the Philosophical magazine and journal and formed the Philosophical magazine.
E. 1-16, New ser. 1-12; **N.** 1-16, New ser. 1-12; **S.** 1-16, New ser. 1-10.

Annals of philosophy, natural history, chemistry, literature, agriculture, and the mechanical and fine arts. Vol. 1-3. 1800-1802. Lond., 1801-1804.
E. 1-3.

Annals of science. Vol. 1-2. 1852-1853. Cleveland, 1852-1853.
CE. 1.

Année électrique. Y. Vol. 1-5. 1885-1889. Par., 1885-1889.
No more information available.
C. 1-5.

Année électrique électrothérapique et radiographique. Y. Year 1+ 1900+ Par., 1900+
E. 4, 11+

Année scientifique et industrielle. Y. Vol. 1+ 1857+ Par., 1857+
Tables. 1856-1865. Par., 1866.
Tables. Vol. 1-20. 1857-1877. Par., 1877.
C. 1-11, 13+; **N.** 1-52; **E.** 1, 19.

Année technique du répertoire générale. Y. 1900-1906. Par., 1901-1906.
N. 1901-1902.

Annuaire de chimie. Vol. 1-7. 1845-1851. Par., 1845-1851.
Ceased publication.
N. 1-7.

Annuaire de l'électricité. Y. Vol. 1+ 1883+ Par., 1883+
N. 1-2, [3].

Annuaire des mines et de la métallurgie Françaises. Y. 1876+ Par., 1876+
N. 1876-1897.

Annuaire du bâtiment, des travaux publics et des arts industriels. Vol. 1+ 1831+ Par., 1831+
N. 67.

Annuaire du journal des mines de Russie. Y. 1835-1842. St. Petersburg, 1840-1845.
No more information available.
N. 1835-1842.

Annuaire géologique universel. Vol. 1+ 1885+ Par., 1885+
N. 13-14.

Annuaire par le Bureau des Longitudes *See* France. Bureau des Longitudes. Annuaire.

Annuaire scientifique. Y. Vol. 1-9. 1861-1870. Par., 1862-1870.
No more information available.
S. 1-2.

Annual of scientific discovery, or Year-book of facts in science and art. Y. Vol. 1-21. 1849-1871. Bost., 1849-1871.
No more published.
S. 1-3, 10.

Annual record of science and industry. Y. Vol. 1-8. 1871-1878. N. Y., 1872-1879.
No more published.
S. 1-8.

Annual report of the progress of chemistry and allied sciences, physics, mineralogy and geology. Y. Vol. 1-7. 1847-1853. Lond., 1849-1855.
No more information available.
N. 1-4.

Anthony's photographic bulletin. M. Vol. 1-33, no. 4. 1870-1902. N. Y., 1870-1902.
No more published.
Incorporated with Photograph times which changed its title to Photographic times bulletin in May 1902.
CC. 10-32; P. 1-12.

Anthracite Coal Operators' Association.
Association letter. M. 1897-1902. N. Y., 1897-1902.
Ceased publication in April 1902.
E. [1897], 1898-1900, [1901]; CE. [1897], 1898-1902; N. [1897], 1898-1902.

Anton von Kerpely's bericht über die fortschritte der eisenhüttentechnik *See* Bericht über die fortschritte der eisenhüttentechnik.

Appalachian Engineering Association.
Bulletin. Q. No. 1-36. 1905-1909. Morgantown, W. Va., 1905-1910.
Association discontinued in 1910.
E. 1-29, 32-36.

Appalachian mines and industrial record. M. Vol. 1, no. 1-4. 1910. Roanoke, Va., 1910.
Ceased publication.
No more information available.
E. [1].

Appleton's journal of literature, science and art. M. Vol. 1-26. 1869-1881. N. Y., 1869-1881.
No more published.
P. 1-26.

Appleton's mechanics' magazine and engineers' journal. M. Vol. 1-3. 1851-1853. N. Y., 1852-1854.
No more published.
CE. 1-3; E. 1-3.

Appleton's popular science monthly *See* Popular science monthly.

Applied science. M. New ser. Vol. 1+ 1907+ Toronto, 1907+
Incorporated with Transactions of the University of Toronto Engineering Society.
CE. 1+; C. 1+; E. 1+; S. 3+

Arcana of science and art: or, An annual register of useful inventions. Y. Vol. 1-11. 1828-1837. Lond., 1827-1838.
Continued as Year-book of facts in science and art.
N. 4, 11; E. 10.

Archief voor de suikerindustrie in Nederlandsch-Indië. Irreg. Vol. 1+ 1893+ Nederl.-Indië, 1893+
CC. [19], 20+

Architect, builder and wood worker *See note* Builder and wood worker.

Architectural magazine and journal of improvement in architecture, building, and furnishing. M. Vol. 1-5. 1834-1838. Lond., 1834-1838.
No more published.
CE. 1-5.

Architectural record. M. Vol. 1+ 1891+ N. Y., 1891+
N. 1+; E. 3-4, 22+

Architekten- und Ingenieur- Verein für Niederrhein und Westfalen.
Mittheilungen. 1882-1884. Köln, 1882-1884.
No more information available.
CE. 1882-1884.

Architekten- und Ingenieur- Verein zu Hannover.
Zeitschrift für architecktur und ingenieurwesen. B-M. New ser. Vol. 1+ 1855+ Hannover,-Wiesbaden, 1855+
Alphabetisches sachregister. New ser. Vol. 1-8. 1855-1862. Hannover, 1864.
Alphabetisches inhaltsverzeichniss. Vol. 9-16. 1863-1870. Hannover, 1872.
Alphabetisches inhaltsverzeichniss. Vol. 17-27. 1871-1881. Hannover, 1883.
Alphabetisches inhaltsverzeichniss. Vol. 28-38. 1882-1891. Hannover, 1893.
Alphabetisches inhaltsverzeichniss. Vol. 38-47. 1892-1901. Wiesbaden, 1904.
N. 1-26, 43+; CE. 21-43, 46+; E. 49+

Architekten Verein zu Berlin *See* Deutsche bauzeitung.

Archiv der mathematik und physik. Vol. 1-70, 1843-1883; Ser. 2, Vol. 1-17, 1884-1900; Ser. 3, Vol. 1+ 1901+ Lpz., 1841+
Inhaltsverzeichniss. Vol. 1-25. 1841-1855. Greifswald, 1859.
Inhaltsverzeichniss. Vol. 26-40. 1856-1863. Greifswald, 1864.
Inhaltsverzeichniss. Vol. 41-64. 1864-1879. Greifswald, 1873.
Inhaltsverzeichniss. Ser. 2, Vol. 1-17. 1884-1900. Lpz., 1901.
Inhaltsverzeichniss. Ser. 3, Vol. 1-10. 1901-1906 in Vol. 10.
Inhaltsverzeichniss. Ser. 3, Vol. 11-20. 1906-1913 in Vol. 20.
N. 1+

Archiv der pharmacie. Irreg. Vol. 1+ 1821+ Ber., 1822+
For 1821 known as Pharmaceutische monatsblätter.
From 1822-1831 known as Archiv des Apotheker-Vereins im Nördlichen Teutschland.
From 1832-1834 known as Annalen der pharmacie.
Autoren und sach-register. Vol. 1-130. 1822-1857. Hannover, 1859.
Gesammt-verzeichniss des inhalts. Vol. 143-203. 1858-1873. Ber., 1886.
CC. 67-170, 176-238, [239], 240+

Archiv für bergbau und hüttenwesen. Vol. 1-20. 1818-1831. Ber., 1818-1831.
Continued as Archiv für mineralogie, geognosie, bergbau und hüttenkunde.
C. 1-20; **N.** 1-6.

Archiv für chemie und mikroskopie. B-M. Vol. 1+ 1908+ Wien, 1908+
CC. 3-5.

Archiv für eisenbahnwesen. B-M. Vol. 1+ 1878+ Ber., 1878+
Gesammt inhaltsverzeichniss. Vol. 1-12. 1878-1889. Ber., 1890.
Gesammt inhaltsverzeichniss. Vol. 1-21. 1878-1889. Ber., 1889.
C. 1+; **N.** 1+; **E.** 31+; **CE.** [13-14], 15-16, [17], 22.

Archiv für elektrotechnik. M. Vol. 1+ 1912+ Ber., 1912+
E. 1+

Archiv für mineralogie, geognosie, bergbau und hüttenkunde. Y. Vol. 1-26. 1829-1855. Ber., 1829-1855.
Continuation of Archiv für bergbau und hüttenwesen.
No more published.
Register. Vol. 1-10 in Vol. 10. Ber., 1837.
Register. Vol. 11-20 in Vol. 20. Ber. 1846.
Register. Vol. 21-26 in Vol. 26. Ber., 1855.
E. 1-26; **N.** 1-26.

Archiv für optik. M. Vol. 1. 1907-1908. Lpz., 1908.
No more published.
N. 1.

Archiv für post und telegraphie. S-M. Vol. 1+ 1893+ Ber., 1893+
N. 1+; **E.** 37+

Archives des découvertes et des inventions nouvelles. Vol. 1-31. 1808-1839. Par., 1809-1841.
No more information available.
N. 1-31.

Archives des sciences physiques et naturelles. M. Vol. 1-36, 1846-1857; New ser. Vol. 1-64, 1858-1878, Ser. 3, Vol. 1-34, 1878-1895; Ser. 4, Vol. 1+ 1896+ Par., 1846+
Continuation of Bibliothèque Britannique and also Bibliothèque universelle des sciences.
E. 1-36, New ser. 1-64, Ser. 3, 1-34, Ser. 4, 1+; **N.** Ser. 3, [14], Ser. 4, 1+; **CC.** Ser. 4, [13], 15-20, [21], 22+

Archives of clinical skiagraphy *See* Archives of the Roentgen Ray.

Archives of the Roentgen Ray. M. Vol. 1+ 1896+ Lond., 1896+
Vol. 1 title reads Archives of clinical skiagraphy.
E. 6-16.

Arkansas Association of Surveyors and Civil Engineers.
Proceedings at its annual meeting. Y. 1st+ 1909+ Ola, Ark., 1910+
CE. 1st; **N.** 1st.

Arkansas Society of Engineers, Architects and Surveyors.
Transactions. Y. Vol. 1-3. 1887-1889. Little Rock, 1887-1890.
No more information available.
CE. 1-3; **N.** 2.

Arkiv för kemi, mineralogi och geologi. Irreg. Vol. 1+ 1903+ Stockholm, 1903+
N. 1+; **E.** 3+

Armierter beton. M. Vol. 1+ 1908+ Ber., 1908+
E. 4+

Armour engineer. S-A. Vol. 1+ 1909+ Chic., 1909+
E. 3+

Arms and explosives. M. Vol. 1+ 1892+ Lond., 1892+
N. 5+; **CC.** 2-16, 22+

Army and navy journal *See* United States army and navy journal.

Arte y la ciencia. M. Vol. 1+ 1899+ Mexico, 1899+
CE. 1+

Artizan. M. Vol. 1-31. 1843-1873. Lond., 1843-1873.
Vol. 1-3 title reads Artizan, a monthly journal of the operative arts.
E. 1-29; **CE.** 9-17.

Asociación Argentina de Electro Técnicos.
Boletin. M. Vol. 1+ October 1914+ Buenos Aires, 1914+
E. 1+

Asociación de Ingenieros Industriales de Barcelona.
Revista technológico industrial. M. Vol. 1+ 1878+ Barcelona, 1878+
CE. 3-34; **E.** [12-13], 14, [15], 16-29, [30-31]; **N.** 17-20, [21, 27].

Asociación de Ingenieros y Arquitectos de México, Anales. Irreg. Vol. 1+ 1886+ Mex., 1886+
E. 1-7, 9+; CE. 1-6, 17+; C. 1-2.

Asphalt und teerindustrie zeitung. T-M. Vol. 1+ 1901+ Ber., 1901+
CC. [1], 2, 4-9.

Associação dos Engenheiros Civis Portuguezes. Revista de obras publicas e minas. M. Vol. 1+ 1870+ Lisbon, 1870+
CE. 1+; N. 13, 17, [19], 20, [23].

Associated Engineering Societies. Colorado University *See* Colorado University. Associated Engineering Societies. Journal of engineering.

Association Amicale des Anciens Elèves de L'Ecole Centrale des Arts et Manufactures. Bulletin. B-M. Vol. 1+ 1870+ Par., 1870+
CE. 18-35, 37+

Association Amicale des Ingénieurs-Electriciens. Bulletin mensuel. M. Vol. 1-2, no. 12. May 1902-April 1903. Par., 1902-1903.
No more information available.
E. [1-2].

Association Belge des Chimistes *See* Société Chimique de Belgique.

Association des Chimistes de Sucrerie et de Distillerie de France et des Colonies. Bulletin. M. Vol. 1+ 1883+ Par., 1883+
N. 14+

Association des Ingénieurs Electriciens *See* Liége. Institut Electrotechnique Montefiore. Association des Ingénieurs Electriciens.

Association des Ingénieurs sortis de l'Ecole de Liége. Annuaire. Y. Vol. 1-15, 1859-1873; Ser. 2, Vol. 1-6, 1874-1876; Ser. 3, Vol. 1-10, 1877-, 1881; Ser. 4, Vol. 1-6, 1882-1887; Ser. 5 Vol. 1+ 1888+ Liége, 1859+
Ser. 3 incorporated with Revue universelle des mines, 1877-1881.
N. 8-9; E. Ser. 4, [1], 2-3.

Association des Ingénieurs sortis de l'Ecole de Liége. Bulletin. M. Ser. 1, 1860-1862; Ser. 2, 1863-1865; Ser. 3, 1866-1867; Ser. 4, 1868-1869; Ser. 5, 1870-1873; New ser. Vol. 1+ 1877+ Liége, 1860+
From 1874-1876 published with Revue universelle des mines.
N. Ser. 1, [1860], Ser. 3, [1866-1867], Ser. 4, [1868], Ser. 5, [1870-1873], New ser. 1, [2], 3, [4-11], 12, [13-14], 15, [16], 29-32; E. New ser. [1-2, 4, 7-11].

Association des Ingénieurs sortis de L'Ecole Polytechnique de Bruxelles. Bulletin technique. 9 nos. Y. Vol. 1+ 1902+ Bruxelles, 1902+
CE. [1], 2+; E. 7+

Association des Ingénieurs sortis des Ecoles spéciales de Gand. Annales. Q. Vol. 1-20, 1876-1897; New ser. Vol. 21-24, 1898-1901; Ser. 3, Vol. 1-6, 1902-1907; Ser. 4, Vol. 1, 1908; Ser. 5, Vol. 2+ 1909+ Gand, 1876+
Table des matières. Vol. 1-20. 1877-1897. Gand, 1898.
Table des matières. Vol. 1-Ser. 3, Vol. 1. 1876-1902 in Ser. 3, Vol. 1.
E. 16-20, New ser. 21-24, Ser. 3, 1-6, Ser. 4, 1, Ser. 5, 2+; CE. New ser. 14-24, Ser. 3, 1-6, Ser. 4, 1, Ser. 5, 3.

Association for Standardizing Paving Specifications. Annual report, proceedings of the meeting. Y. 1st-4th. 1910-1913. Chic., 1910-1913.
Until 1911 known as the Organization of City Officials for Standardizing Paving Specifications.
No more published.
Incorporated with the American Society of Municipal Improvements in 1913.
CE. 1st-4th; E. 2nd.

Association Francaise du Froid. Journal. M. Vol. 1, nos. 1-7. 1909. Par., 1909.
Continued as the Revue.
CC. [1].

Association Française du Froid. Revue générale du froid. M. Vol. 2+ 1910+ Par., 1910+
Continuation of the Journal.
Official organ also for the Association Internationale du Froid.
CC. [2].

Association Française pour l'Advancement des Sciences. Comptes-rendus de la session. Y. 1st+ 1873+ Par., 1873+
E. 1-36; N. 26-32, [33-34], 35+

Association Internationale des Académies. Tables des constantes et données numeriques de chemie, de physique et de technologie. Y. Vol. 1+ 1910+ Par., 1910+
E. 1+; P. 1+

Association of American Portland Cement Manufacturers. Bulletin. Irreg. No. 1-27. 1906-1912 (?). Phil., n.d.
No more published.
E. 1-4, 7-16, 18-20, 22-23, 25-27; CE. 1-20; N. 1, 4-16, 18-20, 26.

Association of American Portland Cement Manufacturers. Concrete review. M. Vol. 1-4, no. 10. 1906-1909. Phil., 1906-1909.
No more published.
Continued as Concrete highways.
N. 1-4; E. [2-4]; S. [2-4]; CE. [3].

Association of American Portland Cement Manufacturers. Papers read at the annual meeting. Y. 1st-2nd(?). 1903-1904(?). N. Y., 1904-1905(?).
No more published.
CE. 2nd.

Association of American Railroad Superintendents *See* American Society of Railroad Superintendents.

Association of American Railway Accounting Officers.
Report. Y. 1st+ 1888+ n.p., 1888+
CE. 24th.

Association of Car Lighting Engineers *See* Association of Railway Electrical Engineers. Proceedings.

Association of Chemical Technologists.
Chemical engineering and the works chemist. M. Vol. 1+ 1911+ Dover, 1911+
CC. [1-2], 3+

Association of Cleansing Superintendents of Great Britain.
Annual meeting. Y. 1899. Rochdale, 1899.
No more information available.
CE. 1899.

Association of County Surveyors and Civil Engineers of the State of Indiana *See* Indiana Engineering Society.

Association of County Surveyors of the State of Ohio *See* Ohio Engineering Society.

Association of Dominion Land Surveyors.
Annual report together with papers read at the annual meeting. Y. 1st+ 1907+ Ottawa, 1907+
This Association was first organized in 1884 and published Report of the proceedings at the annual meeting from 1884-1891. It was reorganized in 1907.
E. 7th-8th.

Association of Dominion Land Surveyors.
Report of proceedings at the annual meeting. Y. 1st-8th. 1884-1891. Ottawa, 1884-1891.
Association and publication discontinued in 1891. Reorganized in 1907.
CE. 4th-5th, 7th-8th.

Association of Drainage and Levee Districts of Illinois.
Official proceedings of the annual meeting. Y. 1st+ 1911+ Beardstown, 1911+
CE. 1+

Association of Edison Illuminating Companies.
Minutes of the annual meeting. Y. Vol. 1+ 1885+ N. Y., 1887+
E. 1-17.

Association of Electric Lighting Engineers of New England.
Transactions. Y. Vol. 1. 1903-1904. Bost., 1904.
No more published.
E. 1.

Association of Engineering Societies.
Journal. M. Vol. 1+ 1881+ Bost., 1881+
CE. 1+; **CC.** 1+; **C.** 1+; **E.** 1+; **N.** 1-13, [14-16], 17+; **S.** [4, 13, 18, 20-21, 24-25, 36], 37+

Association of Engineers of Virginia.
Proceedings. Irreg. No. 1-2. 1891-1893. Roanoke, Va., 1891-1893.
No. 1 (1891) contains also the Transactions. From 1895-1898 papers published in the Journal of the Association of Engineering Societies.
Association no longer exists.
N. 1-2; **CE.** 2; **E.** 2.

Association of Executive Health Officers of Ontario.
Annual meeting. Y. 1st-18th. 1887-1903. Toronto, 1887-1903.
No more published. Association no longer exists.
This Association was reorganized in 1913 under the name of Ontario Health Officers' Association. Until the present time no Transactions have been published in a separate volume, but have appeared in various magazines, such as Public health journal.
CE. 4th-13th, 15th-16th, 18th.

Association of Gas Engineers and Managers.
Report of the proceedings. Y. 1883-1899. Lond., 1883-1899.
No more information available.
E. 1887-1897.

Association of Harvard Engineers.
Harvard engineering journal. Q. Vol. 1–13, no. 1. 1902–April 1914. Cambridge, 1902–1914.
Vol. 1-6 known as the Journal of the Harvard Engineering Society.
Association of Harvard Engineers was organized in 1908.
Consolidated with Technology monthly in April 1914 and formed Technology monthly and Harvard engineering journal.
Decennial index. 1902-1912. n.p., n.d.
E. 1+; **S.** [5-6], 7+; **CE.** 3-9.

Association of Iron and Steel Electrical Engineers.
Proceedings of annual convention. Y. 1st+ 1907+ Milwaukee, Wis., 1907+
E. 2nd+

Association of Managers of Sewage Disposal Works.
List of officers, members and associates, and proceedings. Y. 1904-1908. Lond., 1904-1908.
No more information available.
CE. 1904, 1906-1908.

Association of Municipal and Sanitary Engineers and Surveyors *See* Institution of Municipal and County Engineers.

Association of North American Railroad Superintendents *See* American Society of Railroad Superintendents.

Association of Ontario Land Surveyors.
Annual report and proceedings at the annual meeting. Y. 1st+ 1886+ Toronto, 1886+
From 1886-1892 known as the Association of Provincial Land Surveyors of Ontario.
General index. Vol. 1-11. 1886-1896 in Vol. 11. Toronto, n.d.
CE. 1st+; **E.** 27th+

Association of Provincial Land Surveyors of Ontario *See* Association of Ontario Land Surveyors.

Association of Railroad Air Brakemen *See* Air Brake Association.

Association of Railway Electrical Engineers.
Proceedings. Y. Vol. 1+ 1908+ Chic., 1908+
Vol. 1 known as the Association of Car Lighting Engineers.
E. 1+

Association of Railway Electrical Engineers.
Railway electrical engineer. M. Vol. 1+ 1909+ Chic., 1909+
Electric trunk line age consolidated with Railway electrical engineer in 1911.
CE. 1+; E. 1+; N. 1+

Association of Railway Superintendents of Bridges and Buildings *See* American Railway Bridge and Building Association.

Association of Railway Telegraph Superintendents.
Proceedings of the annual meeting. Y. 1st+ 1882+ Milwaukee, 1882+
E. 7-26, 28+; CE. 19+; N. 26+

Association of Transportation and Car Accounting Officers.
Proceedings. S-A. No. 1+ 1900+ v.p., 1900+
CE. 1+; E. 10+

Association of Vermont Engineers.
Vermont engineer. Y. Vol. 1-2. 1909-1910. Burlington, Vt., 1909-1910.
No more published.
CE. 1; E. 1.

Association of Water Engineers.
Transactions. Y. Vol. 1+ 1897+ Lond., 1897+
Vol. 1-10 (1897-1906) known as the British Association of Waterworks Engineers. Consolidated subject-matter index issued with each volume.
N. 1+; CE. 5-6, 8.

Association Scientifique de France.
Bulletin mensuel météorologique. M. Vol. 1-6. 1871-1876. Par., 1871-1876.
No more information available.
CE. 1-2.

Association Suisse des Electriciens *See* Schweizerischer Elektrotechnischer Verein.

Association Technique Maritime.
Bulletin. Y. No. 1-19. 1890-1908. Par., 1890-1908.
No more published.
N. 1-8, 14, 19; E. 10.

Associazione Elettrotecnica Italiana.
Atti. B-M. Vol. 1-17. 1897-1913. Mil., 1897-1913.
Indice. Vol. 1-10. 1897-1906. Mil., 1908.
Continued in Elettrotecnica.
E. 1-9, [10], 11-17; N. 3-17; CE. 7-15.

Associazione Elettrotecnica Italiana.
Elettrotecnica. T-M. Vol. 1+ February 1914+ Mil., 1914+
The Atti forms a part of this publication.
E. 1+

Atelier des photographen und allgemeine photographen-zeitung. M. Vol. 1+ 1894+ Halle a S., 1894+
Beiblatt. Photographische chronik.
CC. 14+

Atlantic Deeper Waterways Association.
Bulletin. M. Vol. 1+ 1908+ Phil., 1908+
C. 1, [2-3], 4+; E. [4], 5+

Atlantic Deeper Waterways Association.
Report of the proceedings, annual convention. Y. 1st+ 1908+ Phil., 1909+
C. 1+; E. 1+

Auskunftsbuch für die chemische industrie. Y. Vol. 1+ 1902+ Wittenberg, 1902+
N. 1-2, 6+

Australasian Association for the Advancement of Science.
Report of the meeting. Y. 1st+ 1887+ Sydney, 1889+
N. 1-12; E. 6-7; S. 7-8; CC. 7.

Australasian coachbuilder and wheelwright. M. Vol. 1+ 1891(?)+ Melbourne, 1891(?)+
N. [13], 14+

Australasian Institute of Mining Engineers.
Proceedings. Irreg. 1897-1903; Vol. 1-8. New ser. No. 1+ 1897+ Melbourne, 1897+
Years 1897-1903 have no volume number. Volume number begins with year 1904.
E. 1897-1903; [1-8], New ser. 1+ CE. 1898-1903.

Australasian Institute of Mining Engineers.
Transactions. Irreg. Vol. 1-16. 1893-1912. Sydney, 1894-1912.
No more published.
E. 1-13, 15-16; CE. 4-13; C. [9], 10-11, 13.

Australian mining and engineering review *See* Mining and engineering review.

Australian mining standard. W. Vol. 1+ 1885+ Melbourne,-Sydney, 1885+
E. [11-15, 17-20, 28], 29, [30], 31+; N. 30+

Australian official journal of patents. W. Vol. 1+ 1903+ Melbourne, 1903+
CE. 3-7, [8].

Autocar. W. Vol. 1+ 1895+ Lond., 1895+
In 1904 incorporated Flying.
E. [21-22], 23+

Autogene metallbearbeitung. M. Vol. 1+ July 1908+ Halle a S., 1908+
E. 1-6.

Automobil-rundschau *See* Mitteleuropäischer Motorwagen-Verein. Automobil-rundschau.

Automobile. W. Vol. 1+ 1899+ N. Y., 1899+
N. [1, 8, 10-11], 12+; **E.** 15+

Automobile Club of America.
Club journal. B-W. Vol. 1+ 1909+ N. Y., 1909+
E. 1+

Automobile engineer. M. Vol. 1+ June 1910+ Lond., 1910+
Vol. 2, no. 29-Vol. 3, no. 61 (October 1912-December 1913) title reads Internal combustion engineering.
In 1914 divided and formed two publications: Automobile engineer, which is published monthly and Internal combustion engineering, which was published weekly. Both retained the volume number of Automobile engineer, which was volume 4.
Internal combustion engineering ceased publication in August 1914 (Vol. 5, no. 95).
E. 1+

Automobile engineer.
Year book. Y. 1912+ Lond., 1912+
E. 1912, 1914+

Automobile magazine. M. Vol. 1-10. 1899-1907. N. Y., 1899-1907.
Incorporated with Automobile.
E. [1-3]; **P.** 1-2.

Automobile review *See* Motor way.

Automobile topics. W. Vol. 1+ 1900+ N. Y., 1900+
CE. 1-7, 10+; **C.** 30+; **E.** current only.

Automobile trade journal. M. Vol. 1+ 1896+ Phil., 1896+
E. [16], 17+

Automotor and horseless vehicle journal *See* Automotor journal.

Automotor journal. W. Vol. 1+ 1896+ Lond., 1896+
Vol. 1-6 title reads Automotor and horseless vehicle journal.
Vol. 1-6 published monthly.
N. [1], 2+; **E.** [1], 2+; **C.** 18+

Avia, revue des sciences aéronautiques. M. Vol. 1-2. 1909-1910. Par., 1909-1910.
No more published.
N. 1-2.

Barge canal bulletin. M. Ser. 1, no. 1+ 1908+ Albany, 1910+
CE. Ser. 1-4; **E.** [Ser. 3], Ser. 5+; **C.** Ser. 6+

Baumaterialienkunde. S-M. Vol. 1-12. 1896-1907. Stut., 1896-1907.
No more published.
CC. 1-12; **E.** 1-12; **CE.** 9-12.

Bayerischer Revisions Verein.
Zeitschrift. S-M. Vol. 1+ 1897+ Mün., 1897+
E. 18+

Beiblätter. Annalen der physik. *See* Annalen der physik. Beiblätter.

Beiträge zur chemie und physik *See* Journal für chemie und physik.

Beiträge zur geschichte der technik und industrie *See* Verein Deutscher Ingenieure. Beiträge zur geschichte der technik und industrie.

Bell telephone news. M. Vol. 1+ 1911+ Chic., 1911+
Continuation of Central union news.
E. 1+

Berg- und hüttenmännische zeitung. W. Vol. 1-63. 1842-1904. Lpz., 1842-1904.
In 1904 was incorporated with Glückauf.
C. 1-63; **N.** 1-63; **E.** 22-43, [44], 45-48, [49-50], 51-63.

Berg- und hüttenmännisches jahrbuch. Q. Vol. 1+ 1851+ Wien, 1851+
C. 1+; **E.** 20-22, 27-29, 31-37, [38], 39, [40], 41+; **N.** 45+

Bergbau. W. Vol. 1+ 1888+ Gelsenkirchen, 1888+
E. [21-22], 23+

Berggeist. W. Vol. 1-30. 1856-1885. Köln, 1856-1885.
No more published.
C. 1-9, 15, 17-30.

Bergrechtliche blätter *See* Oesterreichische zeitschrift für berg- und hüttenwesen. Beilage. Bergrechtliche blätter.

Bergwerksfreund. Irreg. Vol. 1-22, 1839-1860; New ser. Vol. 1, 1860. Eisleben, 1839-1860.
No more published.
C. 1-19.

Bergwirtschaftliche mitteilungen *See* Zeitschrift für praktische geologie. Bieblatt.

Bericht über die fortschritte der eisenhüttentechnik. Y. Vol. 1-20, 1864-1883; New ser. Vol. 1-15, 1884-1902. Lpz., 1864-1902.
New series title reads Anton von Kerpely's Bericht über die fortschritte der eisenhütten technik.
No more published.
C. 1-20, New ser. 1-15; **N.** 1-20, New ser. 1-15; **E.** New ser. 7, 11.

Berlin. Königliche Preussische Akademie der Wissenschaften.
Sitzungsberichte. Irreg. 1882+ Ber., 1882+
CC. 1899+

Berliner Elektricitäts-Werke.
Mittheilungen. M. Vol. 1+ 1905+ Ber., 1905+
E. 1+

Beton und eisen. 20 nos. Y. Vol. 1+ 1902+ Ber., 1902+
CE. [1], 2-10; **C.** 3+; **E.** 3+; **N.** 5-10.

Beton-zeitung. S-W. Vol. 1+ 1907+ Halle a. S., 1907+
N. [1908].

Better roads. M. Vol. 1+ 1911+ Dayton, O., 1911+
C. 1+

Bibliothèque Britannique: or, Recueil extrait des ouvrages périodiques et autres.
Sciences et arts. Vol. 1-60. 1796-1815. Genève, 1796-1815.
Continued as Bibliothèque universelle des sciences. Sciences et arts.
Table générale raisonnée. Years 1-5. 1796-1801. Genève, 1801.
E. 1-60.

Bibliothèque universelle des sciences.
Sciences et arts. Vol. 1-60, 1816-1835; New ser. Vol. 1-60, 1836-1845. Genève, 1816-1845.
Continuation of Bibliothèque Britannique. Continued as Archives des sciences physiques et naturelles.
Table générale raisonnée des matières. 1796-1835. 3 Vols. Genève, n.d.
N. 1-60; E. 1-30.

Birmingham engineering and mining journal. B-M. Vol. 1+ 1902+ Birmingham, 1902+
E. [8], 9+

Birmingham University. Mining Society.
Quarterly journal. Q. Vol. 1, nos. 1-6. 1905-1906. Birmingham, 1905-1906.
No more published.
In December 1906 this Society combined with the British Society of Mining Students and the Yorkshire Students' Society and formed the British Federated Society of Mining Students.
E. [1].

Bitumen. S-M. Vol. 1+ 1903+ Wiesbaden, 1903+
CC. 2-6, [7], 8-10.

Black diamond. W. Vol. 1+ 1885+ Chic., 1885+
E. 3-10, [11], 12-13, [14], 15-16, [17], 18-22, [23], 24, [25], 26-29, [30], 31+; N. 18-42, [43], 44+; CC. 27, 32+

Black Hills mining review. W. Vol. 1-13, no. 11. 1895(?)-1907. Deadwood, 1895(?)-1907.
No more information available.
CE. [10], 11-12, [13].

Blacksmith and wheelwright. M. Vol. 1+ 1880+ N. Y., 1880+
N. [15-16, 19-20, 28], 33+

Blätter für elektrotechnik. 1901-1902, no. 9. Potsdam, 1901-1902.
In October 1902 combined with Zeitschrift für elektrotechnik und maschinenbau.
N. 1901-1902.

Blue print *See* Nebraska University. Engineering Society. Nebraska blue print.

Board of trade and engineering journal. M. Vol. 1+ 1904+ Scranton, Pa., 1904+
E. [4-5, 7-8], 9+

Boiler maker. M. Vol. 1+ 1901+ N. Y., 1901+
Vol. 1-4, no. 6 (November 1902-November 1904) title reads Motive power.
N. [7], 8+; E. 8+; CE. 9+; S. 8.

Boletin de injenieros *See* Mexico. Cuerpo de Ingenieros del Ejercito. Boletin de injenieros.

Boletin de minas industria y construcciones. M. Vol. 1-20, 1885-1905; Ser. 2, Vol. 1+ 1905+ Lima, 1885+
Index. Vol. 1-20. 1885-1905. Lima, 1906.
E. 2, [4], 6, 8-10, [11-12], 13, [14], 15, [16], 17-18, [19], 20, Ser. 2, [1], 2+; CE. 1-13, [14], 15-20, Ser. 2, 1-2.

Booster. Q. Vol. 1, no. 1-4. 1906. Detroit, 1906.
E. 1.

Boring and drilling. M. Vol. 1-2. 1900-1902. Lond., 1900-1902.
No more information available.
E. 1-2.

Boston journal of chemistry and pharmacy *See* Popular science news.

Boston journal of commerce. W. Vol. 1-72. 1872-1908. Bost., 1872-1908.
Vol. 1-20 title reads Boston journal of commerce, textile manufacturing, engineering, mechanics, iron and steam.
Vol. 21-23 title reads Cotton, wool, and iron and Boston journal of commerce.
Vol. 24-34 title reads Boston journal of commerce and cotton, wool and iron.
Vol. 54-62 title reads Boston journal of commerce and textile industries.
Combined with Cotton in November 1908.
E. 23-62; N. [26, 43, 60, 63, 65].

Boston Society of Civil Engineers.
Journal. 10 nos. Y. Vol. 1+ 1914+ Bost., 1914+
E. 1+

Boston Society of Civil Engineers.
Monthly bulletin. M. New ser. No. 1+ 1906+ Bost., 1906+
CE. 1+; E. 1-17, 19+

Boston Society of Civil Engineers.
Proceedings. September 1879-June 1881. Bost., 1881.
No more published.
Later proceedings and papers of the Society have been published in the Journal of the Association of Engineering Societies.
CE. 1879-1881; E. 1879-1881.

Boston telegram. S-M. Vol. 1, no. 1. 1881. Bost., 1881.
No more information available.
E. 1.

Brass world and platers' guide. M. Vol. 1+ 1905+ Bridgeport, Conn., 1905+
E. 1+; P. 1+; N. [2-3], 4+

Brasserie et malterie. S-M. Vol. 1+ 1904+ Par., 1904+
CC. [2].

Braunkohle. W. Vol. 1+ 1902+ Halle a S., 1902+
CC. 1+; E. [7], 8+

Brazilian mining review. M. Vol. 1, nos. 1-10. July 1902-May 1904. Rio de Janeiro, 1902-1904.
No more information available.
E. 1.

Brewer's journal. M. Vol. 1+ 1876+ N. Y., 1876+
Published in English and German.
CC. 5, 33+

Brewers' journal and hop and malt trades review. M. Vol. 1+ 1865+ Lond., 1865+
CC. [47].

Brick. Vol. 1-39. 1894-1910. Chic., 1894-1910.
Combined with Clay record in 1911 and formed Brick and clay record. The volume number of Clay record is retained.
N. 18-33, 38-39.

Brick and clay record. S-M. Vol. 38+ 1911+ Chic., 1911+
Formed by the consolidation of Brick and Clay record in 1911. The volume number of Clay record is retained.
CE. 38+; **C.** [42], 43+; **E.** 43+

Brickbuilder. Vol. 1+ 1892+ Bost., 1892+
C. 1+; **N.** [1, 3], 4+

Bricklayer, mason and plasterer. M. Vol. 1+ 1896+ Indianapolis, 1896+
C. 12+

Brickmaker. S-M. Vol. 1-22. 1889-1894. Chic., 1889-1894.
Ceased publication.
N. 1-18, [20-21].

Brill magazine. M. Vol. 1+ 1907+ Phil., 1907+
E. [5], 6+

British annual and epitome of the progress of science. Y. 1837-1839. Lond., 1837-1838.
E. 1837-1839; **N.** 1838-1839.

British Association of Gas Managers *See* Institution of Gas Engineers.

British Association of Waterworks Engineers *See* Association of Water Engineers.

British Columbia mining exchange and investor's guide and mining tit-bits. M. Vol. 1+ 1899+ Vancouver, 1899+
N. [1], 2-10, [11]; **E.** [2-3].

British architect. W. Vol. 1+ 1874+ Lond., 1874+
Years 1874-1877 published in Manchester.
C. 1-30, 37+; **N.** 48+; **E.** 41-46; **CE.** 9.

British Association for the Advancement of Science.
Report of the meetings. Y. 1st+ 1831+ Lond., 1831+
Index to the reports and transactions. 1831-1860. Lond., 1864.
Index to the reports and transactions. 1861-1890. Lond., 1893.
CE. 1+; **C.** 1+; **N.** 1+; **P.** 1+; **E.** 1-8, 11+; **S.** 1-8, 11-70, 72+; **CC.** 7, 13, 18.

British Columbia mining record *See* Mining, engineering and electrical record.

British Federated Society of Mining Students *See* British Society of Mining Students.

British Foundrymen's Association.
Foundry trade journal and pattern-maker. M. Vol. 1+ 1902+ Lond., 1902+
E. [15], 16+

British Foundrymen's Association.
Proceedings. Bien. No. 1+ 1898+ Lond., 1898+
E. 6+

British Iron Trade Association.
Annual statistical report. Y. Vol. 1-31. 1877-1907. Lond., 1877-1907.
Vol. 1-5 title reads Iron, steel and allied trades.
No more published.
E. 8, 10, 12-14, 18, 23, 26-29; **N.** 8.

British Iron Trade Association.
Bulletin. No. 1-25. (?)-1893. Lond., (?)-1893.
Incorporated with Iron and coal trades review in 1894.
E. 20, 24-25.

British journal of photography. W. Vol. 1+ 1854+ Lond., 1854+
Earlier titles are: Liverpool photographic journal 1854-1856, Liverpool and Manchester photographic journal 1857-1858, Photographic journal 1859.
Supplement. Lantern. 1897(?)-1901.
CC. [38], 57, [58], 59+

British refrigeration. M. Vol. 1-7, no. 66. 1894-1904. Lond., 1894-1904.
No more published.
E. 4.

British Society of Mining Students.
Journal. Irreg. No. 1-33, Vol. 4-28; Vol. 1-2; Vol. 29, nos. 1-7. 1876(?)-June 1910. Birmingham, 1876(?)-1910.
From October 1907-June 1909 this Society combined with the Birmingham University of Mining Students and formed the British Federated Society of Mining Students. Under that name two volumes were published. Beginning with August 1909 that Society was discontinued. The British Society of Mining Students was restored and their publication was a continuation from that last issued by that Society previous to the federation.
Ceased publication with June 1910 (Vol. 29, no. 7.)
Index to titles of papers. Vol. 1-13 in Vol. 13. 1876-1891.
Index to titles of papers. Vol. 1-20. 1876-1898. N.p., n.d.
E. 28-33, 4-13, [14], 15-28, 1-2, 29; **N.** [8], 19-23; **C.** 5-16, 18-27.

Brooklyn Edison. M. Vol. 1-4. 1902-1906. Brooklyn, 1902-1906.
No more published.
N. 1-4; E. [2, 4].

Brooklyn Engineers' Club.
Proceedings. Y. 1897+ Brooklyn, 1898+
CE. 1897+; E. 1897+; S. 1908, 1911.

Browning's industrial magazine *See* Industrial magazine.

Brussels. Académie Royale de Belgique.
Annuaire. Y. Vol. 1+ 1835+ Bruxelles, 1835+
N. 1-71; C. 1-52, 68-77, 79+; E. 69-76, 78+

Brussels. Académie Royale de Belgique.
Bulletin. Irreg. Ser. 1, Vol. 1-23. 1832-1856. Ser. 2, Vol. 1-50. 1857-1880. Ser. 3, Vol. 1-36. 1881-1898. Bruxelles, 1832-1898.
Until 1846 title reads Bulletin de L'Académie Royale des Sciences et Belles-lettres de Bruxelles.
In 1899 the Bulletin was divided into two series entitled the Bulletin de la classe des sciences and the Bulletin de la classe des lettres et des sciences morales et politiques et de la classe des beaux-arts.
Tables générales et analytiques. Ser. 1. Vol. 1-23. 1832-1856. Bruxelles, 1858.
Tables générales et analytiques. Ser. 2, Vol. 1-20. 1857-1866. Bruxelles, 1867,
Tables générales et analytiques. Ser. 2, Vol. 21-50. 1867-1880. Bruxelles, 1883.
C. 1+; N. 1+

Brussels. Académie Royale de Belgique.
Bulletin de la classe des lettres et des sciences morales et politiques et de la classe des beaux-arts. Irreg. 1899+ Bruxelles, 1899+
In 1899 the Bulletin divided into two series entitled the Bulletin de la classe des sciences and the Bulletin de la classe des lettres et de sciences morales et politiques et de la classe des beaux-arts.
C. 1899+; N. 1899+

Brussels. Académie Royale de Belgique.
Bulletin de la classe des sciences. Irreg. 1899+ Bruxelles, 1899+
In 1899 the Bulletin divided into two series entitled the Bulletin de la classe des sciences and the Bulletin de la classe des lettres et de sciences morales et politiques et de la classe des beaux-arts.
C. 1899+; E. 1899-1902, [1903-1904], 1905+; N. 1899+

Builder. W. Vol. 1+ 1842+ Lond., 1842+
No numbers issued January 7-February 11, 1843.
C. 1+; N. 1+; P. 9, 11-35, 58-63, 66+; CE. [18-19], 31, [32], 33-34, [35], 36-38, [39-40], 41+; E. 17-18.

Builder and wood worker. M. Vol. 16-31, no. 9. 1880–September 1895. N. Y., 1880–1895.
Formed by the consolidation of American builder and journal of art and Illustrated woodworker in 1880.
Continued under the title of Architect, builder and wood worker, and finally was incorporated with the National builder.
CE. 27-29.

Building news and engineering journal. W. Vol. 1+ 1854+ Lond., 1854+
Vol. 1-5 title reads Building news.
Vol. 6-10 title reads Building news and architectural review.
C. 3-79, 86+; N. [14], 15-26, [27], 34-38, [39], 40+; CE. 24+; E. 68-71.

Building progress. M. Vol. 1-3. 1911-1913. Pittsburg, 1911-1913.
No more published.
E. 2-3.

Building Trades Employers Association.
Bulletin. M. Vol. 1+ 1900+ N. Y., 1900+
N. 2-9, [10], 11-12.

Building trades magazine. M. Vol. 1-3, no. 3. 1897-1899. Scranton, Pa., 1898-1899.
Vol. 1-2, no. 5 title reads Home study for the building trades.
In 1899 combined with Science and industry.
N. 1-3.

Buildings and building management. M. Vol. 1+ 1905+ Chic., 1905+
In 1906 incorporated Building manager and owner.
C. 11+; N. [4], 5-11.

Bulletin des fabricants de papier *See* Bulletin-journal des fabricants de papier.

Bulletin des usines électriques. Vol. 1-7. 1896-1907. Par., 1896-1907.
Incorporated with Revue électrique in 1908.
E. 1-7; N. 1-7.

Bulletin international de l'électricité. M. Vol. 1+ 1885+ Par., 1885+
Vol. 1 title reads Bulletin international des telephones.
N. 16-27.

Bulletin international des telephones *See* Bulletin international de l'électricité.

Bulletin-journal des fabricants de papier. S-M. Vol. 1+ 1884+ Par., 1884+
Vol. 1-10 title reads Bulletin des fabricants de papier.
N. 14-24.

Bulletin technique. Vol. 1-2, no. 2. 1899-1900. Par., 1899-1900.
Ceased publication.
N. 1-2.

Bulletin technique de la Suisse Romande. S-M. Vol. 1+ 1875+ Lausanne, 1875+
Vol. 1-25 (1875-1899) published as the Bulletin of the Société Vaudoise des Ingénieurs et des Architectes.
E. 34+; CE. 38+

Bulletin universel des sciences et de l'industrie. Section 1-8. 1824-1831. Par., 1824-1831.
Section 1. Bulletin des sciences mathématiques, astronomiques, physiques et chimiques. Vol. 1-16. 1824-31.
N. 1-16.
Section 2. Bulletin des sciences naturelles et de géologie. Vol. 1-27. 1824-1831.
N. 1-27.
Section 3. Bulletin des sciences médicals. Vol. 1-27. 1824-1831.
N. 1-27.
Section 4. Bulletin des sciences agricoles et économiques. Vol. 1-19. 1824-1831.
N. 1-19.
Section 5. Bulletin des sciences technologiques. Vol. 1-19. 1824-1831.
N. 1-19.
Section 6. Bulletin des sciences géographiques, économie publique, voyages. Vol. 1-28. 1824-1831.
N. 1-28.
Section 7. Bulletin des sciences historiques, antiquités, philologie. Vol. 1-19. 1824-1831.
N. 1-19.
Section 8. Bulletin des sciences militaires. Vol. 1-11. 1824-1831.
N. 1-11.

Bureau International de L'Union Télégraphique *See* Journal télégraphique.

California Academy of Natural Sciences *See* California Academy of Sciences.

California Academy of Sciences.
Memoirs. Irreg. 1868+ San Francisco, 1868+
N. 1+; **CE.** [2], 3, [5].

California Academy of Sciences.
Occasional papers. Irreg. Vol. 1+ 1890+ San Francisco, 1890+
N. 1+; **C.** 1-8; **CE.** 1-6; **E.** 1, 3-6.

California Academy of Sciences.
Proceedings. Irreg. Vol. 1-7, 1854-1876; Ser. 2, Vol. 1-6, 1888-1896; Ser. 3, Vol. 1-2, Botany, 1897-1904; Vol. 1-2, Geology 1897-1904, Vol. 1-3, Zoology, 1897-1904, Vol. 1, Math-physics, 1898-1903; Ser. 4, Vol. 1+ 1907+
From 1854-1868 known as the California Academy of Natural Sciences.
Series 3 is divided into four parts: Botany, Geology, Zoology and Math-physics.
N. 1-7, Ser. 2, 1-6, Ser. 3, 1-2, Botany, 1, Geology, 1-3, Zoology, 1, Math-physics, Ser. 4, 1+; **C.** Ser. 2, 1-6, Ser. 3, 1, Geology, 1-2, Zoology, Ser. 4, 1+; **E.** 2, [3], Ser. 2, 1-6, Ser. 3, [1-2], Geology, Ser. 4, 1, 3; **CE.** 5-7, Ser. 2, 1-6, Ser. 3, 1-2, Geology; **CC.** [4], 5.

California architect and building news. M. Vol. 1-21, no. 7. 1882-July 1900. San Francisco, 1882-1900.
Incorporated with Industrial news.
CE. [19], 20, [21].

California derrick. M. Vol. 1+ 1908+ San Francisco, 1908+
C. 5+

California journal of technology. Q. Vol. 1-15, no. 4; New ser. Vol. 1+ 1903-1910, 1913+ Berkeley, 1903+
Until 1910 published monthly.
Nothing published from May 1910 until March 1913.
E. [2-15]; New ser. 1+; **N.** [4], 6-10, [11], 12-15; **S.** 8-9, [10-11], 12, [13].

California Miners' Association.
Annual convention. Y. 1st-16th. 1892-1912. San Francisco, 1892-1912.
Nothing known of Association since 1912.
E. 3, 5, 7-16; **C.** 6-11, 16; **CE.** 11, 13-15; **N.** 9-10, 14.

California University. Geology department.
Bulletin. Irreg. Vol. 1+ 1893+ Berkeley, 1893+
E. 1+; **N.** 1+

California University. Mining and Metallurgy department.
Bulletin. Irreg. 1902+ Berkeley, 1902+
N. 1902-1905.

Cambridge mathematical journal. Q. Vol. 1-4. 1839-1845. Cambridge, Eng., 1839-1845.
Continued as Cambridge and Dublin mathematical journal and later as quarterly journal of pure and applied mathematics.
CE. 4.

Cambridge Philosophical Society.
Proceedings. 3 nos. Y. Vol. 1+ 1843+ Cambridge, 1866+
N. 1+; **CC.** [10], 11-12, [13-15], 16+

Cambridge Philosophical Society.
Transactions. Irreg. Vol. 1+ 1820+ Cambridge, 1822+
Index. Vol. 1-12 in Vol. 12.
N. 1-5; **CC.** 21.

Camera notes. Vol. 1-6. 1897-1903. N. Y., 1897-1903.
No more published.
P. 1-6.

Canadian cement and concrete review. M. Vol. 1-4, no. 4. 1906-1910. Toronto, 1907-1910.
No more information available.
N. [2-4].

Canadian Electrical Association.
Proceedings of the convention. Y. 1st+ 1890+ Toronto, 1890+
E. 5, 10, 12-16, 19+

Canadian electrical news. S-M. Vol. 1, nos. 1-6. 1884. Montreal, 1884.
No more published.
E. 1.

Canadian electrical news *See* Electrical news.

Canadian engineer. W. Vol. 1+ 1893+ Toronto, 1893+
N. 2+; **E.** 8+; **CE.** [13-14], 15+; **CC.** 18-21; **C.** [20], 21+

Canadian Gas Association.
Proceedings. Y. 1st+ 1908+ Hamilton, 1908+
E. 3+

Canadian harness and carriage journal. M. Vol. 1+ 1900+ Toronto, 1900+
Official organ of the Master Harness Makers' Association.
N. [17-18].

Canadian Institute.
Annual report. Y. 1886-1894. Toronto, 1886-1894.
C. 1886-1894; **E.** 1886-1894; **N.** 1886-1894.

Canadian Institute.
Canadian journal of industry, science and art. M. Vol. 1-3, 1853-1855; New ser. Vol. 1-15, 1856-1878. Toronto, 1853-1878.
Continued as the Proceedings.
E. New ser. 1-15; **N.** New ser. 1-15; **CE.** 3-4.

Canadian Institute.
Proceedings. Irreg. Ser. 3, Vol. 1-7, 1879-1889; Vol. 1-7, 1889-1904; New ser. Vol. 1+ 1897+ Toronto, 1884+
Continuation of the Canadian journal of science, literature and history.
In 1890 title changed to Transactions.
In 1897 the Institute began again the publication of Proceedings together with the Transactions.
C. Ser. 3, 1-7, New ser. 1-2; **N.** Ser. 3, 1-7, New ser. [1], 2; **E.** Ser. 3, 3, 5-7, New ser. [1-2]; **CE.** Ser. 3, 2-7, New ser. 1-2.

Canadian Institute.
Transactions. Irreg. Vol. 1+ 1889+ Toronto, 1891+
C. 1+; **E.** 1+; **CE.** 1-8, [9].

Canadian machinery and manufacturing news. W. Vol. 1+ 1905+ Toronto, 1905+
Published monthly until 1913.
E. [3-4], 5+

Canadian manufacturer. W. Vol. 1+ 1882+ Toronto, 1882+
From 1882-1908 title reads Canadian manufacturer and industrial world.
In September 1908 changed from semi-monthly to weekly publication.
The weekly edition is divided into editions namely: Office edition, Construction edition, Power edition, Machinery and supplies edition.
In 1910 volume number changed to Vol. 30, it being the thirtieth year of publication.
E. 34-56, [57], 58, [59], [30-32], 33+

Canadian manufacturer and industrial world *See* Canadian manufacturer.

Canadian Mining Institute.
Quarterly bulletin. Q. No. 1+ 1908+ Montreal, 1908+
E. 1+; **C.** 3-12, 14-15, 19.

Canadian Mining Institute.
Transactions. Y. Vol. 1+ 1896+ Ottawa, 1896+
From 1896-1898 known as the Federated Canadian Mining Institute. The federation consisted of the Mining Society of Nova Scotia, the General Mining Association of Quebec, and the Ontario Mining Institute. Title reads Journal until 1912.
Index to names of authors and subjects. 1891-1903. Ottawa, 1904.
General index together with summaries of papers. Vol. 1-10. 1898-1907. Montreal, 1913.
CE. 1+; **E.** 1+; **C.** 1-11, 13, 15+; **S.** 9-11; **N.** 11.

Canadian mining journal. S-M. Vol. 1+ 1882+ Toronto, 1882+
Vol. 1-27 title reads Canadian mining review. In March 1907 incorporated with and continued as Canadian mining journal. The volume number of Canadian mining review is retained.
E. 8-16, [17], 18+; **N.** [21-25, 28], 29+; **C.** [32], 33+

Canadian mining review *See* Canadian mining journal.

Canadian naturalist and geologist. Q. Vol. 1-8, 1856-1863; New ser. Vol. 1-10, 1864-1883. Montreal, 1857-1883.
Years 1856-1863 published monthly.
Years 1864-1868 published bi-monthly.
Contains Proceedings of Natural History Society of Montreal.
New series has title Canadian naturalist and quarterly journal of science with Proceedings of the Society.
Continued as the Canadian record of science.
Index. 1856-1883 in Vol. 10. Montreal, 1883.
N. 1-8, New ser. 1-10; **E.** 1-7, New ser. 1-3, 5.

Canadian Peat Society.
Journal. Q. Vol. 1+ 1911+ Ottawa, 1911+
CC. 1+; **E.** 1+

Canadian railway and marine world. M. 1898+ Toronto, 1898+
E. 1915+

Canadian Railway Club.
Official proceedings. Irreg. Vol. 1+ 1902+ Montreal, 1902+
E. [7-11], 12+

Canadian record of science, including the Proceedings of the Natural History Society of Montreal. Q. Vol. 1+ 1884+ Montreal, 1885+
Continuation of Canadian naturalist and geologist.
N. 1-2.

Canadian Society of Civil Engineers.
Report of the annual meeting. Y. 1887+ Montreal, 1887+
Report 1887-1891 and 1897 are bound with the Transactions.
E. 1892-1908, 1910+; **CE.** 1892-1904; **C.** 1892-1896, 1898-1907, 1909+; **N.** 1895+

Canadian Society of Civil Engineers.
Transactions. Irreg. Vol. 1+ 1887+ Montreal 1887+
Index. Vol. 1-14. 1887-1900. Montreal, 1900.
Index. Vol. 1-20. 1887-1906. Montreal, 1907.
Index. Vol. 1-24. 1887-1910. Montreal, 1911.
CE. 1+; **C.** 1+; **E.** 1+; **N.** 1+

Canadian Society of Civil Engineers. Manitoba Branch *See* Western Canada Railway Club.

Canal record. W. Vol. 1+ 1907+ Ancon, Canal zone, 1907+
CE. 1+; **C.** 1+; **E.** 1+; **N.** 1+

Caoutchouc et la gutta-percha. M. Vol. 1+ 1904+ Par., 1904+
CC. 6+; **N.** 6+

Cape Society of Civil Engineers.
Minutes of proceedings. Vol. 1-6. 1903-1908. Capt Town, 1904-1908.
No more information available.
CE. 1-6.

Car Foremen's Association of Chicago.
Proceedings. 10 nos. Y. No. 1+ October 1903+ Chic., 1903+
From October 1897-October 1903 the minutes of meetings were published in Railway master mechanic.
E. 101+

Car review. M. Vol. 1, nos. 1-6. 1909. Columbus, O., 1909.
No more information available.
E. 1.

Carbid und acetylen. S-M. Vol. 1+ 1898+ Ber., 1898+
Vol. 1-13 (1898-1909) title reads Zeitschrift für calciumcarbid-fabrikation und acetylen-beleuchtung.
N. 1-13.

Carlsberg Laboratorium.
Comptes rendus travaux du laboratoire. Irreg. Vol. 1+ 1882+ Copenhagen, 1882+
CC. 5+

Carnegie Institution of Washington.
Yearbook. Y. No. 1+ 1902+ Wash., 1902+
E. 1+; **N.** 1+

Carpenter. M. Vol. 1+ 1881+ Indianapolis, 1881+
N. [12, 15-20], 21+

Carpentry and building. M. Vol. 1+ 1879+ N. Y., 1879+
N. 1-10, 26+; **P.** 1-12.

Carriage and wagon builder and American vehicle. M. Vol. 1+ 1906+ Phil., 1906+
Combined with American vehicle in 1911. The volume number of American vehicle is retained.
N. 3-10, 24.

Carriage and wagon workers journal. Vol. 1-8, no. 6. 1899-1908. Cleveland, O., 1899-1908.
No more information available.
N. 1-8.

Carriage builders' and harness makers' art journal. M. Vol. 1-4. 1859-1862. Lond., 1859-1862.
N. 1-2.

Carriage monthly. M. Vol. 1+ 1865+ Phil., 1865+
N. [32, 39], 40+

Cassier's engineering monthly. M. Vol. 1+ 1891+ Lond., 1891+
Known as Cassier's magazine (London) until August 1913.
E. 43+

Cassier's magazine. M. Vol. 1-44, no. 3. 1891-September 1913. N. Y., 1891-1913.
Nothing published from December 1912 until June 1913. The June number (Vol. 43, no. 6) includes all numbers from January-June, and the title reads Cassier's engineering monthly. July 1913 is Vol. 44, no. 1.
September 1913 is Vol. 44, no. 3.
There may have been a December 1912 number published. If so, there were only a few copies and privately circulated.
Ceased publication.
E. 1-44; **P.** 1-44; **S.** 1-44; **C.** 1-42; **CE.** 1-41; **N.** [1], 2-42; **CC.** [22], 23-24, [25], 26-42.

Castings. M. Vol. 1+ 1907+ Cleveland, 1907+
E. 1+

Catskill water system news. S-M. No. 1-61. 1911-1913. N. Y., 1911-1913.
No more published.
CE. 1-61; **C.** 1-61; **E.** 1-61.

Causeries scientifiques, découvertes et inventions. Y. Vol. 1-31. 1861-1890. Par., 1861-1890.
No more information available.
N. 1-31.

Cement. M. Vol. 1+ 1900+ N. Y., 1900+
Nothing published January-July 1913.
CE. [1-2], 4-11; **E.** [12], 13+

Cement age. M. Vol. 1-14. 1904-1912. N. Y., 1904-1912.
Concrete engineering combined with Cement age in 1911.
In July 1912 combined with Concrete and formed Concrete-cement age.
CE. 1-14; **N.** 1-14; **E.** 2-14; **S.** 4-14; **C.** 7, 11-14.

Cement and engineering news. M. Vol. 1+ 1896+ Chic., 1896+
N. 1+; **CE.** [1], 2, [3], 4-5, [6-7], 8-22; **E.** 22+; **CC.** 25+; **C.** 25+

Cement era. M. Vol. 1+ 1904+ Chic., 1904+
Incorporates Waterproofing and fireproofing.
N. [6], 7+

Cement record. M. Vol. 1-6. 1909-1912. Kansas City, Mo., 1909-1912.
In July 1912 consolidated with Western contractor.
N. [1-3], 4-5.

Cement world. M. Vol. 1+ 1907+ Chic., 1907+
E. 3-6.

Central. 3 nos. Y. Vol. 1+ 1904+ Lond., 1904+
E. 4+

Central Railway Club.
Official proceedings. 5 nos. Y. 1893-1896, Vol. 4+ 1893+ N. Y., 1893+
E. [1894], 1895-1896, 4-5, [6-8], 9-10, [11-12], 13-14, [15], 16, [17-18], 19+; CE. 1893-1896, 4-7, [8-16].

Central States Water Works Association.
Proceedings of the annual convention. Y. 1st+ 1898+ v.p., 1898+
CE. 1-9, 11-14.

Central station. M. Vol. 1+ 1901+ N. Y., 1901+
E. 1+; N. [2, 4], 5+

Central union news. M. Vol. 1-7, no. 2. 1906-1911. Indianapolis, 1906-1911.
Continued as Bell telephone news.
E. [4-7].

Central-zeitung für optik und mechanik. S-M. Vol. 1+ 1880+ Ber., 1880+
Vol. 1-4 published in Leipzig.
N. 3-4, 19+

Centralblatt der hütten- und walzwerke. T-M. Vol. 1+ 1897+ Frankfurt-a-Main, 1897+
Vol. 1-7 title reads Centralblatt der walzwerke.
N. 2+

Centralblatt der walzwerke *See* Centralblatt der hütten- und walzwerke.

Centralblatt für accumulatoren- elementen- und accumobilen- kunde *See* Centralblatt für accumulatoren- und galvanotechnik.

Centralblatt für accumulatoren- technik *See* Centralblatt für accumulatoren- und galvanotechnik.

Centralblatt für accumulatoren- und galvanotechnik. S-M. Vol. 1-9. 1900-1908. Ber., 1900-1908.
Vol. 1 title reads Centralblatt für accumulatoren- und elementenkunde.
Vol. 3-4 title reads Centralblatt für accumulatoren- elementen- und accumobilen kunde.
Vol. 5-8 title reads Centralblatt für accumulatoren- technik.
Ceased publication in 1908.
N. 1-9; E. [1], 3-9; CC. 1-2.

Centralblatt für allgemeine gesundheitspflege. Irreg. Vol. 1+ 1882+ Bonn, 1882+
Supplement to Vol. 1. Bonn, 1885.
Supplement to Vol. 2. Bonn, 1889.
Register. Vol. 1-20. 1882-1901. Bonn, 1901.
CC. 1-21.

Centralblatt für die gesammte eisen,- stahl,- metall- und maschinen- industrie *See* Maschinen- und metallindustrie- zeitung.

Centralblatt für die kunstdünger- industrie. S-M. Vol. 1+ 1896+ Mannheim, 1896+
CC. 8-13, [14-16], 17, [18].

Centralblatt für die textil- industrie. M. 1869-1903. Ber., 1869-1903.
Ceased publication.
N. 1901, [1902-1903].

Centralblatt für elektrotechnik. M. Vol. 1-12. 1879-1889. Mun., 1879-1889.
Continuation of Zeitschrift für angewandte elektricitätslehre.
In 1890 was incorporated with Elektrotechnische zeitschrift.
N. 1-12; E. 1-7.

Centralblatt für maschinen- industrie und eisengiesserei *See* Maschinen- und metall- industriezeitung.

Centralblatt für mineralogie, geologie und paläontologie. S-M. 1900+ Stut., 1900+
Repertorium zum Neuen jahrbuch für mineralogie, geologie und paläontologie, 1905-1909, das Centralblatt für mineralogie, geologie und paläontologie, 1905-1909 und die Beilage-bande 21-28. Stut., 1911.
N. 1900+; E. 1900-1906, 1908+

Centralblatt für nahrungs- und genussmittelchemie See Zeitschrift für öffentliche chemie.

Centro Americo. Q. Vol. 1+ 1909+ Guatemala, 1909+
S. [1], 2+

Chauffeur *See* Technologiste.

Chemical, Metallurgical and Mining Society of South Africa.
Journal. M. Vol. 1+ 1898+ Johannesburg, 1898+
From 1898-1903 title reads Chemical and Metallurgical Society of South Africa.
No publication issued from October 1899 to May 1902.
E. 1+; CC. 1, [2], 3-5, [6], 7-8, [9], 10-12, [13], 14+; C. 5-6, 11+; CE. [6], 7-11.

Chemical, Metallurgical and Mining Society of South Africa.
Proceedings. Irreg. Vol. 1-4. May 1894-1904. Johannesburg, 1894-1904.
From May 1894-February 1903 known as the Chemical and Metallurgical Society of South Africa.
E. 1-4; CC. 1, 3.

Chemical abstracts *See* American Chemical Society. Chemical abstracts.

Chemical and Metallurgical Society of South Africa. Journal *See* Chemical, Metallurgical and Mining Society of South Africa. Journal.

Chemical engineer. M. Vol. 1+ 1904+ Phil.-Chic., 1904+
Vol. 1-4 published in Philadelphia.
CC. 1+; C. 1+; E. 1+; N. 1+; S. [2, 4-5, 8], 9+

Chemical engineering and the works chemist *See* Association of Chemical Technologists. Chemical engineering and the works chemist.

Chemical gazette. M. Vol. 1-18. 1842-1859. Lond., 1842-1859.
No more published.
In 1859 title changed to Chemical news.
P. 1-17; N. 1-14; S. 4, 7, 10; CE. 4, 7; CC. 9-16.

Chemical news and journal of physical science. W. Vol. 1+ 1860+ Lond., 1860+
Continuation of Chemical gazette.
General index. Vol. 1-100. 1860-1909. Lond., 1913.
CC. 1+; E. 1+; P. 1+; S. 1+; C. 1-97, 99+; N. 9, 21+

Chemical news and journal of physical science. M. Authorized American reprint. Vol. 1-7. 1867-1870. N. Y., 1867-1870.
No more published.
Continued as American chemist.
CC. 1-6; N. 1-2, 4-6.

Chemical review. M. Vol. 1-24. 1872-1895. Lond., 1872-1895.
No more information available.
N. 1-17; CC. [2-6], 8, [12-13], 14, [15-16].

Chemical Society of London.
Annual reports on the progress of chemistry. Y. Vol. 1+ 1904+ Lond., 1905+
CC. 1+; C. 1+; N. 6-7.

Chemical Society of London.
Journal. M. Vol. 1+ 1849+ Lond., 1849+
Vol. 1-14 title reads Quarterly journal.
Continuation of the Memoirs and Proceedings.
Issued in two parts namely: Transactions and Abstracts.
Index of the Journal, Vol. 1-25, 1848-1872, and to the Memoirs and Proceedings 1841-1847. Lond., 1874.
Collective index of the Transactions and abstracts. 1873-1882. Lond., n.d.
Collective index of the Transactions, Proceedings and Abstracts. 1883-1892. Lond., n.d.
Collective index of the Transactions, Proceedings and Abstracts. 1893-1902. 2 Vols. Lond., n.d.
Collective index, Transactions, Proceedings and Abstracts. Pts. 1-2. 1903-1912. Lond., 1913.
CC. 1+; C. 1+; N. 1+; P. 1+; S. 1-92; E. 27+

Chemical Society of London.
Memoirs and proceedings. Irreg. Vol. 1-3. 1841-1848. Lond., 1843-1848.
No more published.
Continued as the Quarterly journal.
C. 1-3; N. 1-3; P. 1-3; S. 1, [2].

Chemical Society of London.
Proceedings. Vol. 1+ 1885+ Lond., 1885+
Vol. 1-5 title reads Abstract of proceedings.
Collective index of the Transactions, Proceedings and Abstracts. 1883-1892. Lond., n.d.
Collective index of the Transactions, Proceedings and Abstracts. 1893-1902. 2 Vols. Lond., n.d.
Collective index, Transactions, Proceedings and Abstracts. 1903-1912. Lond., 1913.
CC. 1+; C. 1+; N. 1-19.

Chemical Society of Washington.
Bulletin. No. 1-9. 1884-1895. Washington, 1886-1895.
No more published.
N. 1-7.

Chemical trade journal and chemical engineer. W. Vol. 1+ 1887+ Lond., 1887+
N. [40, 43], 46+; CC. 48+

Chemical world. M. Vol. 1+ 1912+ Lond., 1912+
CC. [1], 2+

Chemiker- zeitung. T-W. Vol. 1+ 1877+ Cöthen, 1877+
Vol. 1-2 title reads Allgemeine chemiker-zeitung.
Supplement: Chemisch- technisches repertorium.
N. 1+; C. 2+; CC. [1-3], 4+; E. 11, 13+

Chemisch- pharmaceutisches centralblatt *See* Chemisches central- blatt.

Chemisch- technischen mittheilungen der neuesten zeit. Irreg. Vol. 1-38. 1846-1881. Ber., 1849-1886.
No more published.
Sach- register. Vol. 1-8. 1846-1859. Ber., 1860.
Sach- register. Vol. 1-20. 1846-1871. Ber., 1873.
CC. 5-6, 8-9.

Chemisch- technisches repertorium. S-W. Vol. 1+ 1862+ Cöthen, 1862+
Beilage zur Chemiker- zeitung. Vol. 10-31, 1886-1907 title reads Chemisches repertorium.
General register. Vol. 1-5. 1862-1866. Ber., 1867.
General register. Vol. 6-10. 1867-1871. Ber., 1873.
General register. Vol. 11-15. 1872-1876. Ber., 1879.
General register. Vol. 16-20. 1877-1881. Ber., 1883.
General register. Vol. 21-25. 1882-1886. Ber., 1889.
General register. Vol. 26-30. 1887-1891. Ber., 1893.
General register. Vol. 31-35. 1892-1896. Ber., 1898.
CC. 1+; N. 9+; C. 10+; E. 13+; S. 33-40.

Chemische apparatur. S-M. Vol. 1+ 1914+ Lpz., 1914+
CC. 1+

Chemische industrie. S-M. Vol. 1+ 1878+ Ber., 1878+
CC. 1+; C. 1+; N. 20-34; E. [20], 24, [25, 28].

Chemische revue über die fett- und harz- industrie. M. Vol. 1+ 1894+ Hamburg, 1894+
CC. [3], 4-5, [6-9], 10, [11], 12+; N. [5, 7-8], 9+; C. 20+

Chemische zeitschrift. M. Vol. 1+ 1901+ Ber., 1902+
N. 1+; CC. 1-10, [11-12].

Chemisches central-blatt. W. Vol. 1+ 1830+ Ber., 1830+
Vol. 1-20 (1830-1849) title reads Pharmaceutisches centralblatt.
Vol. 21-25 (1850-1855) title reads Chemisch-pharmaceutisches centralblatt.
In 1897 the Referate of the Deutsche Chemische Gesellschaft combined with Chemisches centralblatt.
General-register. Vol. 1-12. 1870-1881. Hamburg, 1883.
General-register. 1897-1901. Ber., 1902.
CC. 1+; C. 1+; N. 27+; S. 62+

Chemisches repertorium *See* Chemisch-technisches repertorium.

Chemist. M. Vol. 1-7, 1840-1848; New ser. Vol. 1-4, 1849-1853; New ser. Vol. 1-5, 1854-1858. Lond., 1840-1858.
No more published.
CC. New ser. 6, New ser. 1-5; S. 4, 6-7, New ser. 1, 3; CE. New ser. 1-3, New ser. 3-5.

Chesterfield and Derbyshire Institute of Mining, Civil and Mechanical Engineers *See* Chesterfield and Midland Counties Institution of Engineers.

Chesterfield and Midland Counties Institution of Engineers.
Transactions. Y. Vol. 1-17. 1871-1889. Lond., 1871-1889.
In 1885 (Vol. 14) the name of the Institution was changed from Chesterfield and Derbyshire Institute of Mining, Civil and Mechanical Engineers to Chesterfield and Midland Counties Institution of Engineers.
In 1889 was incorporated with the Federated Institution of Mining Engineers.
E. 1-17; C. 1-16.

Chicago journal of commerce *See* Iron and steel.

Chicago mining review *See* Mining review (Chicago).

Chimica industriale *See* Industria chimica mineraria e metallurgica.

Chimiste. S-M. Vol. 1+ 1910+ Bruxelles, 1910+
CC. 1+

Chronique industrielle. W. Vol. 1+ 1878+ Par., 1878+
N. [15-17], 20-31.

Ciencia é industrias. M. Vol. 1-3, no. 25. 1906-1909. Buenos Aires, 1906-1909.
Vol. 1-2 title reads Geologia y minas.
No more information available.
E. [2], 3.

Ciment. M. Vol. 1+ 1896+ Par., 1896+
Index. Vol. 1-15 in Vol. 15.
CE. 1, [2], 3-15.

City government. *See* Municipal journal.

Civil and Mechanical Engineers' Society *See note* Society of Engineers. Transactions.

Civil engineer and architect's journal. M. Vol. 1-31. 1837-1868. Lond., 1837-1868.
No more published.
CE. 1-31; N. 1-31; C. 1-30; E. 1-30.

Civil Engineers' Club of Cleveland *See* Cleveland Engineering Society.

Civil Engineer's Club of the Northwest *See* Western Society of Engineers.

Civil Engineers' Club of the University of Illinois *See* Illinois University. Association of Engineering Societies.

Civilingenieur. Q. Vol. 1-2, 1848-1850; New ser. Vol. 1-42, 1854-1896. Lpz., 1848-1850.
Years 1848-1850 title reads Der ingenieur.
No more published.
General-register. Vol. 1-20. 1854-1874. Lpz., 1875.
General-register. Vol. 21-30. 1875-1884. Lpz., 1885.
E. 1, New ser. 1, [2], 8-14, 24, 26-33; N. 1-2, New ser. 1-16, 30-42; C. 21-42; CE. 30-42.

Clay record. S-M. Vol. 1-37. 1892-1910. Chic., 1892-1910.
In 1911 combined with Brick and formed Brick and clay record, retaining the volume number of Clay record.
N. 1-37; CE. [20], 21-33; E. [22-24].

Clay-worker. M. Vol. 1+ 1884+ Indianapolis, 1884+
E. [39-41], 49+; N. [17-18, 21-23], 25, [26], 27-29, [30, 50].

Cleveland Engineering Society.
Journal. B-M. Vol. 1+ 1908+ Cleveland, 1908+
Before 1908 known as the Civil Engineers' Club of Cleveland. The proceedings were printed in the Journal of the Association of Engineering Societies. Withdrew from the Association in March 1908 and name of Society became Cleveland Engineering Society.
General index. Vol. 1-5. 1908-1913 in Vol. 5. Cleveland, 1912-1913.
E. [2], 3+; CE. 1-3; N. 2-3.

Cleveland Institution of Engineers.
Proceedings. Irreg. 1st+ 1868+ Middlesbrough, Eng., 1868+
N. 1873-1879; E. [1875, 1891].

Club de Engenharia.
Revista. M. Vol. 1-3, 1887-1889; Ser. 3, No. 1, 1897. Rio de Janeiro, 1887-1897.
No more information available.
E. [1-3]; N. Ser. 3, 1.

Club journal *See* Automobile Club of America. Club journal.

Coal. W. Vol. 1-2. 1882-1883. N. Y., 1882-1883.
In January 1884 incorporated with Engineering and mining journal.
C. 1-2; E. 1-2.

Coal age. W. Vol. 1+ 1911+ N. Y., 1911+
E. 1+

Coal and coke. S-M. Vol. 1-18. 1894-1911. Baltimore, 1894-1911.
Ceased publication in 1911.
CC. 8-18; E. [16], 17-18; N. [7, 10-11], 12-15, [16].

Coal and coke operator. M. Vol. 1+ 1905+ Pittsburg, 1905+
Vol. 1 title reads Coal & timber.
Vol. 2-7 title reads Coal.
Published weekly from July 1905-July 1914.
CC. 1-13, [14], 15, [21].

Coal Mining Institute of America.
Proceedings. Y. 1902+ Pittsburg, 1902+
E. 1907+

Coal trade. Y. 1874+ N. Y., 1875+
CC. 1897, 1899-1905, 1908-1911.

Coal trade bulletin. S-M. Vol. 1+ 1898+ Pittsburg, 1898+
CC. 17-25, [26], 27.

Coal trade journal. W. Vol. 1-51; 45+ 1869+ N. Y., 1869+
In 1913 volume number changed to 45, being the 45th year of publication.
N. [11-14, 16], 17-19, [20], 21-22, [23-24], 25-27, [28-33, 35], 36-51, 45+; E. 15, 18-45, [46], 47-51, 45+; CC. 41-51, 46.

Colburn's railroad advocate *See* Railroad advocate.

Cold. M. Vol. 1+ 1909+ Watertown, N. Y., 1909+
E. 1+

Cold storage *See* Refrigerating world.

Cold Storage and Ice Association.
Proceedings. S-A. Vol. 1+ 1900+ Lond., 1900+
E. 3+

Cold storage and ice trade journal *See* Refrigerating world.

Cold storage and ice trade review *See* Cold storage and produce review.

Cold storage and produce review. M. Vol. 1+ 1898+ Lond., 1898+
Vol. 1-13, no. 148 (1898-July 1910) title reads Cold storage and ice trade review.
E. 9+

Collection académique, composée des mémoires, actes, ou journaux des plus célèbres académies et sociétés littéraires, étrangères, des extraits des meilleurs ouvrages périodiques, des traités particuliers, et des pieces fugitives les plus rares concernant l'histoire naturelle et la botanique, la physique expérimentalle et la chymie, la médecine et l'anatomie. Vol. 1-13. Partie étrangere. 1755-1779. Dijon,-Par., 1755-1779.
N. 1-13; E. 1-9.

Colliery engineer. M. Vol. 1+ 1881+ Scranton, Pa., 1881+
Vol. 5-7 (1885-1887) title reads Mining herald and colliery engineer.
Vol. 14-17 (1894-1897) title reads Colliery engineer and metal miner.
Vol. 18-33, no. 7 (1897-1913) title reads Mines and minerals.
C. 4-5, [7], 8+; E. 5+; N. [7-12], 13+ CE. 11+; CC. 22+

Colliery engineer and metal miner *See* Colliery engineer.

Colliery guardian and journal of the coal and iron trades. W. Ser. 1, Vol. 1-2, 1858-1859; Ser. 2, Vol. 1+ 1860+ Lond., 1858+
C. 11-15, 37+; E. 38+; CE. 77+; N. [47, 49-51, 53, 60], 61-63, [64-65], 66, [67], 68-70, [71-72], 73-74, [75-76, 78, 80-81, 83, 87-89]; CC. 96-104.

Colorado engineers' magazine. Q. Vol. 1+ March 1912+ Boulder, Colo., 1912+
E. [1-2], 3+

Colorado School of Mines.
Quarterly. Q. Vol. 1+ 1906+ Golden, Colo., 1906+
E. 3, [4-5], 6+

Colorado School of Mines. Technical and Engineering Society.
Bulletin. S-A. Vol. 1-5. 1900-1910. Golden, Colo., 1900-1910.
No more published.
Colorado School of Mines magazine published in its place.
E. 1-5; N. [2-3], 4, [5].

Colorado school of mines magazine. M. Vol. 1+ 1910+ Golden, Colo., 1910+
E. 1+

Colorado Scientific Society.
Proceedings. Irreg. Vol. 1+ 1883+ Denver, Colo., 1883+
C. 1+; E. 2+; CE. 8.

Colorado State School of Mines *See* Colorado School of Mines.

Colorado University. Association of Engineering Societies.
Journal of engineering. Y. No. 1+ 1904+ Boulder, 1905+
CE. 1+; E. 1+

Columbia engineer *See* Columbia University. Engineering Society. Columbia engineer.

Columbia University. Electrical engineering department.
Contributions. Irreg. Nos. 1-95. 1890-1899. N. Y., 1890-1899.
Collection made up of reprints.
Ceased publication.
C. 4, 7, 10, 12-13, 17-18, 21, 25-26, 28, 35, 37-39, 46, 48, 54, 56, 76, 82-84, 90, 94-95.

Columbia University. Engineering Society.
Columbia engineer, being the Transactions of the Society. Y. 1893-1908. N. Y., 1893-1908.
From 1893-1894 title reads The engineer.
From 1893-June 1896 subtitle reads Yearbook of the Engineering Society.
C. 1893-1904; CE. 1893-1894, 1896-1898, 1900-1901, 1907-1908; E. 1898-1899, 1906-1908; N. 1897-1901.

Columbia University. Ernest Kempton Adams Fund for Physical Research.
Publications. Irreg. No. 1+ 1906+ N. Y., 1906+
C. 1+; E. 4, 6+; N. 1-2.

Columbia University. Geological department.
Contributions. Irreg. Vol. 1+ 1892+ N. Y., 1892+
C. 1+; N. 1, [3-5, 7-11, 13].

Columbia University. Havemeyer Laboratory.
Contributions. Y. Vol. 1+ 1898+ N. Y., 1898+
CC. 1+; C. 1+

Columbia University. Metallurgy department.
Contributions. Y. No. 1-13. 1890-1899. N. Y., 1890-1899.
Ceased publication.
C. 1-13.

Columbia University. Mineralogy department.
Contributions. Irreg. Vol. 1+ 1886+ N. Y., 1886+
C. 1+; N. [10].

Columbia University. Phoenix Physical Laboratory.
Contributions. Irreg. No. 1+ 1905+ Lancaster, Pa., 1905+
Made up of reprints.
C. 2, 4-5, 11-12; N. 2, 5, 11.

Columbia University. School of Mines. Engineering Society.
Yearbook. Y. 1893+ (?). N. Y., 1893+ (?).
C. 1896-1906; E. 1893-1894.

Comité des Forges de France.
Annuaire. Y. 1904(?)+ Par., 1904(?)+
E. 1904+

Comité des Forges de France.
Bulletin. Irreg. 1884(?)+ Par., 1884(?)+
E. 1884-1888, 1890+

Comité Permanent des Conférences Consultatives des Agents des différents Services des Chemins de fer Russes.
Bulletin. M. Vol. 1+ 1902+ Petrograd, 1902+
E. [9], 10+; CE. 7+

Commercial America. M. Vol. 1+ 1904+ Phil., 1904+
E. [7], 8+; C. [9], 10+

Commercial motor. W. Vol. 1+ 1905+ Lond., 1905+
E. [15-17]; C. 17+

Commercial telegraphers' journal. M. Vol. 1+ 1903+ Chic., 1903+
E. [5-6].

Compagnie Universelle du Canal Interoceanique.
Bulletin du canal interoceanique. S-M. Vol. 1-10. 1879-1889. Par., 1879-1889.
CE. [1-10].

Compass. M. Vol. 1-3. 1891-1894. N. Y., 1891-1894.
CE. 1-3; E. 1-3; S. 1.

Compressed air *See* Compressed air magazine.

Compressed air magazine. M. Vol. 1+ 1896+ N. Y., 1896+
March 1896-September 1908 title reads Compressed air.
E. 1+; N. 2+; CE. [1, 4], 5-10, [11], 12+; S. [11, 13], 14+; P. 5-11.

Concerning municipal ownership. M. Vol. 1+ 1906+ N. Y., 1906+
E. 1-4, [5], 6+; N. 1-4.

Concrete. M. Vol. 1-12. 1904-June 1912. Detroit, 1904-1912.
In July 1912 combined with Cement age and formed Concrete-cement age.
N. [5], 6-12; C. 4.

Concrete age. M. Vol. 1+ 1905+ Atlanta, Ga., 1905+
N. [5-10], 11-12, [13-14]; CE. [10], 11+; C. 18+

Concrete and constructional engineering. M. Vol. 1+ 1906+ Lond., 1906+
Vol. 1-4, no. 4 issued bi-monthly.
E. 1+; C. 7+; N. [3-5].

Concrete engineering. M. Vol. 1-5. 1907-1910. Cleveland, 1907-1910.
Combined with Cement age in 1911.
E. 1-5; N. [1], 2-5; CE. [4], 5.

Concrete Institute.
Transactions and notes. Irreg. Vol. 1+ 1909+ Lond., 1909+
E. 1+; CE. 1-3.

Concrete review *See* Association of American Portland Cement Manufacturers. Concrete review.

Concrete-cement age. M. Vol. 1+ 1912+ Detroit, 1912+
Formed by the consolidation of Concrete and Cement age in July 1912.
CE. 1+; E. 1+; N. [1], 2+; C. 2+

Connecticut Association of Civil Engineers and Surveyors *See* Connecticut Society of Civil Engineers.

Connecticut Civil Engineers' and Surveyors' Association *See* Connecticut Society of Civil Engineers.

Connecticut Society of Civil Engineers.
Papers and transactions and proceedings of the annual meeting. Y. 1st+ 1885+ New Haven, 1885+
Vol. 1-19 title reads Proceedings.
Organized in 1884 as Connecticut Civil Engineers' and Surveyors' Association.
Name used on publications, 1886-1894, Connecticut Association of Civil Engineers and Surveyors.
Present name adopted in 1901.
CE. 1+; N. 7-9, 12, 14, 16, 22+; E. 26, 28+

Conservation *See* American Forestry Association. American forestry.

Conservatoire des Arts et Métiers.
Annales. Q. Vol. 1-11, 1860-1879; Ser. 2, Vol. 1-10, 1889-1898; Ser. 3, Vol. 1-12, 1899-1911. Par., 1860-1911.
Publication suspended 1879-1888.
No longer published.
E. 1-10, Ser. 2, 1-10, Ser. 3, 1-4; CE. 1-10, [11].

Constructeur d' usines à gaz. M. Vol. 1-43, no. 10. 1863-1905. Par., 1863-1905.
No more published.
N. 34-43.

Construction moderne. W. Vol. 1-10, 1885-1895; Ser. 2, Vol. 1+ 1895+ Par., 1885.
Table générale des matières. Ser. 1. Vol. 1-10. 1885-1895. Par., 1896.
E. 1-10, Ser. 2, 1+; N. 1-8, Ser., 2, 1, [2]; E. 9-10, Ser. 2, 1.

Construction news. W. Vol. 1+ 1895+ Chic., 1895+
N. [14, 17, 25-27, 31-32], 33.

Contract journal and specification record. W. Vol. 1+ 1879+ Lond., 1879+
N. [51], 52, [53].

Contract news. W. Vol. 1-24. 1891-1905. N. Y., 1891-1905.
In May 1906 was incorporated with Engineering-contracting.
CE. 1-2, [5-6], 7-24.

Contract record & engineering review. W. Vol. 1+ 1888+ Toronto, 1888+
Vol. 1-22, no. 4 (1888-April 1908) title reads Canadian architect and builder. This was a monthly publication.
A weekly publication was issued under the title of Canadian contract record. In 1908 these two publications combined under the title of Contract record, retaining the volume numbering of the Canadian architect and builder.
C. 26+

Contractor. S-M. Vol. 1+ 1898+ Chic., 1898+
CE. [13], 14; C. 14+

Copper and brass. M. Vol. 1, nos. 1-4. 1907. Detroit, Mich., 1907.
Incorporated with Metal industry in 1907.
E. 1.

Copper handbook. Y. Vol. 1+ 1900+ Houghton, Mich., 1900+
E. 1+; P. 1-3, 9; CC. 9.

Cordage trade journal. S-M. Vol. 1+ 1890+ N. Y., 1890+
E. 5-13, [34-36], 37+

Cornell civil engineer *See* Cornell University. Association of Civil Engineers. Cornell civil engineer.

Cornell University. Association of Civil Engineers.
Cornell civil engineer. M. Vol. 1+ 1893+ Ithaca, N. Y., 1893+
Vol. 1-14 title reads Transactions.
CE. 1+; E. 1-5, 7+; N. [1], 10-13, [15-16], 19+; C 21+

Corps gras industriels, journal des fabricants d'huiles, savons, suifs, bougies, etc. Vol. 1+ 1874+ Par., 1874+
Vol. 1-3 title reads Journal de l'exploitation des corps gras industriels.
N. 27+

Cosmos; revue des sciences et de leurs applications. W. New ser. Vol. 1+ 1885+ Par., 1885+
Formed by the combination of Cosmos; revue encyclopédique hebdomadaire des progrés des sciences and Les mondes; revue hebdomadaire des sciences et de leurs applications aux arts et à l'industrie in 1884.
N. New ser. 1-2, [48-50], 52+

Cosmos; revue encyclopédique hebdomadaire des progrés des sciences. W. Vol. 1-25, 1852-1864; Ser. 2, Vol. 1-6, 1865-1867; Ser. 3, Vol. 1-7, 1867-1870. Par., 1852-1870.
In 1884 combined with Les mondes, revue hebdomadaire des sciences et de leurs applications aux arts et à l'industrie and formed Cosmos; revue des sciences et de leurs applications.
N. 1-25, Ser. 2, 1-6, Ser. 3, 1-7; S. 1-2, 4-21.

Cotton. M. Vol. 1-15, 73+ 1896(?)+ Atlanta, Ga., 1896(?)+
In October 1908 Southern mills was incorporated with Cotton.
In November 1908 Boston journal of Commerce was incorporated with Cotton, and the volume number of the Boston journal is retained.
N. [9, 15, 73-74].

County Road Engineers' Society of West Virginia.
Proceedings of the convention. Y. 1st+ 1909+ Charleston, 1909+
CE. 1.

Crank *See* Sibley journal of engineering.

Crow bar. M. Vol. 1+ 1892+ Minneapolis, 1892+
N. [15], 16+

Cuir. S-M. Vol. 1+ 1906+ Par., 1906+
CC. [5-6].

Current news *See* Philadelphia Electric Company. Current news.

Cyclecar age *See* Light car age.

Daguerreian journal. S-M. Vol. 1-4. 1851-1853. N. Y., 1851-1853.
Continued as Humphrey's journal of the daguerreotype and photographic arts.
N. 1-2; E. 1.

Daily mining record *See* Mining record.

Dansk Ingeniørforening.
Ingeniøren. S-W. Vol. 1+ 1882+ København, 1882+
N. 7+; E. 23+; CE. 1-20.

Delaware County Institute of Science.
Proceedings. Q. Vol. 1+ 1905+ Media, Pa., 1905+
CE. [1], 2+

Denver Society of Civil Engineers.
Transactions. Irreg. Vol. 1-4. 1890-1892. Denver, 1890-1892.
Society discontinued in 1898.
CE. 1-4.

Dependable highways *See* National Paving Brick Manufacturers Association. Dependable highways.

Design and work *See* Mechanical world and metal trades journal.

Designer & weaver. M. Vol. 1-2, no. 8. 1881-1882. Brasher Falls, N. Y., 1881-1882.
No more information available.
N. 1-2.

Deutsch-Amerikanischer Techniker-Verband.
Jahres-bericht. Y. 1881-1886. N. Y., 1883-1886.
No more information available.
N. 1881-1884, 1885-1886.

Deutsch-Amerikanischer Techniker-Verband.
Technologist. M. Vol. 1+ 1896+ N. Y., 1896+
Vol. 1-5 (1896-1900) title reads Mitteilungen.
CE. 1+; **N.** 1+; **C.** 6+; **E.** [6-12], 13+; **S.** 16+; **CC.** 1-5.

Deutsch-Osterreichischer Telegraphen Verein.
Zeitschrift. M. Vol. 1-16. 1854-1869. Ber., 1854-1869.
General register. Vol. 1-16. 1854-1869. Ber., 1869.
E. 1-5, 9-13.

Deutsche bauzeitung. S-M. Vol. 1+ 1867+ Ber., 1867+
Vol. 1 title reads Wochenblatt des Architekten-Vereins zu Berlin.
Sach-register. 1867-1877. Ber., 1878.
Inhalts-verzeichniss. Orts- und sach-register. 1878-1900. Ber., 1903.
CE. 1+

Deutsche bergwerks-zeitung. D. Vol. 1+ 1900(?) + Essen, 1900(?)+
E. Current nos. only.

Deutsche Bunsen Gesellschaft für Angewandte Physikalische Chemie.
Abhandlungen. S-A. No. 1+ 1909+ Halle a S., 1909+
C. 1+

Deutsche Chemische Gesellschaft.
Berichte. S-M. Vol. 1+ 1868+ Ber., 1868+
From 1884-1896 issued in two sections: the Berichte and the Referate. The Refetate combined with Chemisches centralblart in 1897.
Generalregister. Vol. 1-10. 1868-1877. Ber., 1880.
Generalregister. Vol. 11-20. 1878-1887. 2 Vols. Ber., 1888.
Generalregister. Vol. 21-29. 1888-1896. 3 Vols. Ber., 1898.
Generalregister. Vol. 1-40. 1868-1907. Ber., 1908.
CC. 1+; **C.** 1+; **N.** 1+; **E.** 7+; **S.** 1-34, 37+

Deutsche Geologische Gesellschaft.
Zeitschrift. Q. Vol. 1+ 1849+ Ber., 1849+
Register. Vol. 1-10. 1849-1858 in Vol. 10.
Register. Vol. 11-20. 1859-1868 in Vol. 20.
Register. Vol. 21-30. 1869-1878 in Vol. 30.
Register. Vol. 31-40. 1879-1888 in Vol. 40.
N. 1+; **E.** 1-24.

Deutsche gewerbe-zeitung *See* Wieck's deutsche illustrirte gewerbezeitung.

Deutsche industrie-zeitung. W. 1860-1889. Chemnitz, 1860-1889.
Years 1860-1861 title reads Sächsische industrie-zeitung.
In 1889 consolidated with Gewerbeschau.
Alphabetisches repertorium 1860-1863. Chemnitz, 1864.
N. 1868-1869; **CE.** 1865; **CC.** 1879.

Deutsche installateur und klempner zeitung. W. October 1904+ Düsseldorf, 1904+
CC. 1904+

Deutsche kohlen-zeitung. W. Vol. 1+ 1883+ Ber., 1883+
CC. 20-29.

Deutsche landwirtschaftliche presse. Irreg. Vol. 1+ 1874+ Ber., 1874+
CC. 29-38.

Deutsche luftfahrer zeitschrift. S-M. Vol. 1+ 1897+ Ber., 1897+
Vol. 1-13 title reads Illustrirte aeronautische mittheilungen.
Vol. 14-15 title reads Deutsche zeitschrift für luftschiffahrt.
N. 2+; **E.** [12], 13+

Deutsche mechaniker zeitung *See* Zeitschrift für instrumentenkunde. Beiblatt. Deutsche mechaniker zeitung.

Deutsche muster- zeitung für färberei, etc. *See* Leipziger färber- und zeugdrucker-zeitung.

Deutsche Physikalische Gesellschaft.
Berichte. S-M. Vol. 1+ 1903+ Brns., 1903+
CC. 1+; **N.** 1+; **E.** 15+

Deutsche Physikalische Gesellschaft.
Literaturverzeichniss. S-M. Vol. 1+ 1902+ Brns., 1902+
E. 8+

Deutsche Physikalische Gesellschaft.
Verhandlungen. S-M. Vol. 1+ 1878+ Brns., 1878+
Vol. 1-7 appeared with Fortschritte der physik Vol. 34-35, 37-39 (1878-1879, 1881-1883) and not published separately. Year 1892 appeared in Annalen der physik Vol. 45 (1892).
Vol. 1-7 title reads Physikalische Gesellschaft zu Berlin.
C. 1+; **E.** 1-7, 11+; **N.** 1-17.

Deutsche Röntgen-Gesellschaft.
Verhandlungen. Y. Vol. 1+ 1905+ Hamburg, 1905+
N. 1-7.

Deutsche techniker- zeitung. W. Vol. 1+ 1884+ Ber., 1884+
N. 22-27.

Deutsche töpfer- und zeigler- zeitung. S-W. Vol. 1+ 1870+ Ber., 1870+
E. 40+; **N.** 42+

Deutsche vierteljahrsschrift für öffentliche gesundheitspflege. Q. Vol. 1+ 1869+ Brns., 1869+
General-register. Vol. 1-10. 1869-1878. Brns., 1882.
General-register. Vol. 11-30. 1879-1898. Brns., 1889.
General-register. Vol. 31-40. 1899-1908. Brns., 1909.
C. 1+; **CC.** 1-31.

Deutsche zeitschrift für luftschiffahrt *See* Deutsche luftfahrer zeitschrift.

Deutsche zuckerindustrie. W. Vol. 1+ 1876+ Ber., 1876+
N. 12, 22+; **E.** [33], 34+

Deutscher Luftfahrer- Verband.
Jahrbuch. Y. 1903+ Ber., 1903+
Years 1903-1911 known as the Deutscher Luftschiffer- Verband.
N. 1910.

Deutscher Verein von Gas- und Wasserfachmännern.
Verhandlungen. Y. Vol. 1-47. 1861(?)+ Mün., 1861(?)+
E. 29-41, 43-47; **CC.** 36-52.

Diamant. T-M. Vol. 1+ 1898+ Par., 1898+
N. 4+

Digest of physical tests and laboratory practice. Q. Vol. 1-3. 1896-1898. Phil., 1896-1898.
No more published.
E. 1-2, [3]; **CE.** 1.

Dingler's polytechnisches journal. W. Vol. 1+ 1820+ Stut., 1820+
Vol. 1-211 title reads Polytechnisches journal.
Real index. Vol. 1-78. 1820-1840. Stut., 1843.
Real index. Vol. 79-118. 1841-1850. Stut., 1853.
Real index. Vol. 119-158. 1851-1860. Stut., 1861.
Real index. Vol. 159-198. 1861-1870. Stut., 1871.
CC. 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 1-259, [260], 261-318, [319], 320, [321-322]; **CE.** 175-226, [227], 228-237, [238], [318], 319-323.

Domestic engineering (Chicago). W. Vol. 1+ 1889+ Chic., 1889+
CE. 22+; **E.** [57], 58-59, [60], 61+

Domestic engineering and the estate engineer (London) *See* Institution of Heating and Ventilating Engineers. Domestic engineering and the estate engineer.

Draftsman *See* Industrial magazine.

Drude's Annalen der physik *See* Annalen der physik.

Drugs, oils and paints. M. Vol. 1+ 1885+ Phil., 1885+
N. [19], 20+

Dublin quarterly journal of science. Q. Vol. 1-9. 1861-1869. Dub., 1861-1869.
No more information available.
N. 1-6; **E.** 1-3; **C.** 6.

Durham University. Philosophical Society.
Proceedings. Irreg. Vol. 1+ 1896+ Newcastle-upon-Tyne, 1900+
CC. 1+

Dvigatel. S-M. Vol. 1+ 1907+ St. Petersburg, 1907+
E. [6], 7+

Dyer, calico printer, bleacher, finisher and textile review. M. Vol. 1+ 1879+ Lond., 1879+
CC. 19-32; **N.** 30-31; **C.** 32+

Dyestuffs. M. Vol. 1+ 1898+ N. Y., 1898+
CC. [1], 2+; **C.** 14+

Echo des mines et de la métallurgie. B-W. Vol. 1+ 1876+ Par., 1876+
N. 23+; **E.** [36], 37+

Eclairage électrique. W. Vol. 1-53. September 1894-December 1907. Par., 1894-1907.
Known as La lumière électrique from April 1879-August 1894 and 1908 to date.
Tables générales. Vol. 1-10. 1894-1897 in Vol. 10. n.p., 1883.
Tables générales. Vol. 1-25. 1894-1900. Par., 1902.
E. 1-53; **N.** 1-53; **CC.** 1-21.

Ecole Polytechnique de Delft.
Annales. Irreg. Vol. 1-8, no. 4. 1885-1897. Leide, 1885-1897.
No more published.
CE. 1-8.

Economic geology. S-Q. Vol. 1+ October 1905+ Lancaster, Pa., 1906+
Continuation of American geologist.
E. 1+; **N.** 1+; **CC.** 1-5.

Edinburgh and Leith Engineers' Society.
Proceedings. Vol. 1-5. 1875-1880. Edin., 1875-1880.
Combined with the Royal Scottish Society, forming an Engineering section.
N. 1.

Edinburgh Geological Society.
Transactions. Irreg. Vol. 1+ 1866+ Edin., 1870+
N. 1+; **E.** 2, 5+

Edinburgh journal of science. Q. Old ser. Vol. 1-10, 1824-1829; New ser. Vol. 1-6, 1829-1832. Edin., 1824-1832.
In 1832 united with Philosophical magazine and formed the London and Edinburgh philosophical magazine.
E. Old ser. 1-10, New ser. 1-6; **S.** Old ser. 1-10, New ser. 1-6.

Edinburgh new philosophical journal. Q. Vol. 1-14, 1819-1826; Ser. 2, Vol. 1-57, 1826-1854; New ser. Vol. 1-19, 1854-1864. Edin., 1819-1864.
Vol. 1-14 title reads Edinburgh philosophical journal.
Incorporated with Quarterly journal of science in 1864.
N. 1-14, Ser. 2, 1-57, New ser 1-19; **E.** 1-14, Ser. 2, 1-57, New ser. 1-12; **CC.** Ser. 2, 13, 15, 19, 40-41, 43, 47, 51, New ser. 10-12, 15-17; **S.** 1-10.

Edison Electric Light Company.
Bulletin. Irreg. No. 1-22. 1882-1884. N. Y., 1882-1884.
A second series was published but no information could be obtained about them.
C. 1-22; **E.** 1-22; **N.** 1-22; **S.** 1-20.

Edison light. M. Vol. 1-5. 1903-1908. Bost., 1903-1908.
No more information available.
E. [1-2], 3-4, [5].

Edison monthly. M. Vol. 1+ 1908+ N. Y., 1908+
CC. 1+; **S.** 1+; **E.** 1, [2], 3, [4], 5+; **C.** 4+; **N.** 1-3.

Efficiency *See* Western Efficiency Society. 100%

Efficiency magazine. M. Vol. 1+ 1911+ N. Y., 1911+
E. [2], 4+

Efficiency Society.
Journal. M. Vol. 1+ October 1912+ N. Y., 1912+
Vol. 1-2 (October 1912-June 1913) title reads Bulletin.
Vol. 3, no. 2-7 (November 1913-April 1914) title reads Greater efficiency.
C. 1+; **E.** 1+

Efficiency Society.
Transactions. Y. Vol. 1+ 1912+ N. Y., 1913+
E. 1+

Eisen-zeitung. W. Vol. 1+ 1880+ Ber., 1880+
E. 25+

Eisenbau. M. Vol. 1+ 1910+ Lpz., 1910+
E. 1+; **CE.** 3+

Eisenbeton. W. Vol. 1-4, no. 18. 1907-September 1910. Ber., 1907-1910.
Combined with Bauwelt in September 1910.
N. 1-4.

Electric accumulator. M. Vol. 1-3. 1906-1908. Lond., 1906-1908.
No more information available.
E. 1-2, [3].

Electric age *See* Electrical age.

Electric city *See* Electric city magazine.

Electric city magazine. M. Vol. 1+ 1903+ Chic., 1903+
Vol. 1-5 title reads Electric city.
E. 1-4, [5], 6+

Electric Club, New York.
Papers read before the Club. Irreg. Nos. 1-27(?). 1887-1891(?). N. Y., 1887-1891(?)
This Club was in existence from May 1886-June 1894.
Papers were also published in Electrical review, N. Y.
E. 4, 9-10, 12-27; **CE.** 11-20, 22.

Electric club journal *See* Electric journal.

Electric items. S-W. Vol. 1-2, no. 19. April-October 1888. N. Y., 1888.
No more published.
E. 1-2.

Electric journal. S-M. Vol. 1-2. 1895-1897. Chic., 1895-1897.
No more information available.
E. 1-2.

Electric journal. M. Vol. 1+ 1904+ Pittsburg, 1904+
February 1904-May 1905 title reads Electric club journal.
Topical index. Vol. 1-7. 1904-1910. Pittsburg, n.d.
Topical index. Vol. 1-8. 1904-1911. Pittsburg, n.d.
Topical index. Vol. 1-9. 1904-1912. Pittsburg, n.d.
E. 1+; **S.** 1+; **N.** 1-8; **C.** 2+

Electric light *See* Electrical engineer.

Electric power. M. Vol. 1-9. 1889-1896. N. Y., 1889-1896.
No more published.
CE. 1-9; **E.** 1-9; **S.** 1-8; **N.** [1-6], 7-9.

Electric railway advertiser. M. Vol. 1-3. 1890-1891. Bost., 1890-1891.
Vol. 1-2 published semi-monthly.
Consolidated with Electricity and railroading.
E. [1-3].

Electric railway and tramway journal. M. Vol. 1+ 1899+ Lond., 1899+
Incorporates Light railway journal.
In 1906 incorporated Electrical power.
Until June 1914 known as the Light railway and tramway journal.
E. 6-8, 14+; **N.** [10-12].

Electric railway gazette. W. Vol. 1-14. 1886-June 1896. N. Y., 1886-1896.
Vol. 1-12 (1886-June 1895) title reads Street railway gazette.
In July 1896 consolidated with Electrical world.
E. 1-14; **N.** [3], 4, [7-11]; **C.** 11-12.

Electric railway journal. W. Vol. 32+ 1908+ N. Y., 1908+
Formed by the consolidation of Street railway journal and Electric railway review in June 1908. The volume number of Street railway journal is retained.
Annual supplement; McGraw electric railway manual.
CE. 32+; **C.** 32+; **E.** 32+; **N.** 32+; **S.** 32+

Electric railway review. W. Vol. 1-19. 1891-1908. Chic., 1891-1908.
Vol. 1-16, no. 6 (1891-June 1906) title reads Street railway review.
Issued monthly until 1907.
In July 1908 consolidated with Street railway journal and formed Electric railway journal.
N. [1], 7-19; **E.** [1], 2-3, 5-19; **C.** 12-15, [16], 17-19; **CE.** [1, 13], 14-19.

Electric sign journal. M. Vol. 1+ October 1913+ N. Y., 1913+
E. 1+

Electric telegraph and railway review. W. Vol. 1-2. 1870-1872. Lond., 1870-1872.
Vol. 1, nos. 1-5 title reads Electric telegraph review.
No more information available.
E. 1-2.

Electric telegraph review *See* Electric telegraph and railway review.

Electric traction. M. Vol. 1+ 1905+ Cleveland-Chic., 1905+
Vol. 1-2, no. 23 (November 1905-November 1906) title reads Interurban railway journal.
From November 1906-July 1912 (Vol. 2, no. 25-Vol. 8, no. 27) title reads Electric traction weekly.
Changed from weekly to monthly publication in July 1912.
E. 1, [2-3], 4+; **N.** [3-4], 5+; **CE.** 5+

Electric traction weekly. *See* Electric traction.

Electric trunk line age. M. No. 1-38. 1907-1910. N. Y., 1907-1910.
Consolidated with Railway electrical engineer in 1911.
E. 1-38; **N.** 1-15, 21, 23.

Electric Vehicle Association of America.
Annual convention, papers, reports and discussions. Y. 1st+ 1910+ N. Y., 1910+
Record of first convention in typewritten form only.
E. 2nd, 4th.

Electric vehicles. M. Vol. 1+ October 1911+ Chic., 1911+
Vol. 1-3, no. 2 (October 1911-March 1913) title reads Ignition and accessories.
E. [1-3], 4+

Electrical age. W. Vol. 1-41, no. 5. 1883-1910. N. Y., 1883-1910.
Vol. 1-7 (1883-1891) title reads Electric age.
Discontinued in June 1910, but in 1911 combined with Southern electrician, which is now known as Electrical engineering (Atlanta). The volume number of Electrical age is retained.
E. [4-5], 6-7, 9-11, [12], 13-14, [15], 16-23, [24-27], 28, [29], 30-41; **C.** 7, 11, 16-20, [21], 22, 29; **N.** [9-24, 29-31], 34, [35-36, 39], 40-41; **CE.** [29-30]; **S.** 32-40, [41].

Electrical doings. M. Vol. 1, no. 1-11. April 1896-February 1897. N. Y., 1896-1897.
No more published.
E. [1].

Electrical engineer. W. Old ser. Vol. 1-6, 1882-1887; New ser. Vol. 1-49, no. 6, 1888-1912. Lond., 1882-1912.
Vol. 1 title reads Electric light.
In February 1912 Electrical engineer was incorporated with Electrical engineering.
E. Old ser. 1-6, New ser. 1-49; **N.** New ser. 20-49.

Electrical engineer (New York). W. Vol. 1-27. 1882-1899. N. Y., 1882-1899.
Vol. 1-2 title reads Electrician.
Vol. 3-6 title reads Electrician and electrical engineer.
In March 1899 consolidated with Electrical world under the title of Electrical world and engineer.
C. 1-27; **E.** 1-27; **S.** 1-27; **P.** 1-26; **N.** 1-6, 8-27; **CE.** 2-5, 8-27; **CC.** 23-24.

Electrical engineering. W. Vol. 1+ 1907+ Lond., 1907+
Incorporates Electrical engineer in February 1912.
E. 1+; **N.** [4], 8+; **CE.** [1-2, 5-6, 9].

Electrical engineering and telephone magazine *See* Telephone magazine.

Electrical engineering (Atlanta). M. Vol. 1+ 1906+ Atlanta, Ga., 1906+
In 1911 Electrical age consolidated with Southern electrician. The volume number of Electrical age is retained.
Vol. 1-10, 42-45, no. 3 (1906-April 1913) title reads Southern electrician.
E. [6], 7-10, 42+; **N.** [6-10], 42+; **CE.** 42+; **S.** [44], 45+

Electrical engineering (Chicago) *See* Telephone magazine.

Electrical enterprise. W. Vol. 1-3. 1891-1892. Bost., 1891-1892.
No more published.
CE. 1-3; **E.** [1-3].

Electrical era. M. Vol. 1. 1898-1899. St. Louis, 1898-1899.
No more information available.
E. [1].

Electrical field. M. Vol. 1+ 1908+ Lond., 1908+
E. [1].

Electrical industries *See* American electrician.

Electrical journal *See* Journal of electricity, power and gas.

Electrical magazine. Q. Vol. 1-2. 1843-1846. Lond., 1845-1846.
No more published.
E. 1-2.

Electrical magazine. M. Vol. 1-2, no. 5. 1903-1904. Lynn, Mass., 1903-1904.
Vol. 1, nos. 1-8 title reads Electric light.
No issue in January 1904.
No more information available.
N. [1-2].

Electrical magazine. M. Vol. 1-14, no. 1. 1904-1910. Lond., 1904-1910.
Discontinued.
E. 1-4, 6-7, [8], 9-14; **N.** [2], 3, [4, 7-10, 12].

Electrical-merchandise and selling electricity. M. Vol. 1+ 1905+ Brattleboro, Vt., 1905+
Until Vol. 10, no. 3 title reads Selling electricity.
Vol. 10, no. 4-Vol. 11, no. 3 title reads Selling electricity and electrical merchandise.
E. [4], 5+

Electrical mining. Q. Vol. 1+ 1904+ Chic., 1904+
E. [1], 2+

Electrical news. M. Vol. 1+ 1891+ Toronto, 1891+
Vol. 3-9 title reads Canadian electrical news and steam engineering journal.
Vol. 10-19 title reads Canadian electrical news and engineering journal.
E. 3+; **N.** [3], 7+; **CE.** [18], 19+

Electrical news and telegraphic reporter. W. Vol. 1. 1875. Lond., 1875.
No more information available.
E. 1.

Electrical northwest. M. Vol. 1-2. June 1890-September 1891. St. Paul, 1890-1891.
No more published.
E. [1-2].

Electrical power. M. Vol. 1-3. 1903-1905. Lond., 1903-1905.
Consolidated with Light railway and tramway journal in 1906.
E. 1-3.

Electrical progress and development *See note* Modern light and heat.

Electrical record. M. Vol. 1+ 1907+ N. Y., 1907+
E. [1-2], 3, [4], 5+; **N.** [2], 3, [4], 5-6, [7-8]; **S.** [4], 5+

Electrical review. W. Vol. 1+ 1872+ Lond., 1872+
Vol. 1-29 title reads Telegraphic journal and electrical review.
C. 1+; **E.** 1+; **N.** 1+; **P.** 1+; **CE.** 2, 5, [6], 7-22, [23], 24+; **S.** 1-32, [33].

Electrical review and western electrician. W. Vol. 1+ 1882+ N. Y., 1882+
Vol. 1 title reads Review of the telegraph and telephone.
Vol. 2-52 title reads Electrical review.
In November 1908 Western electrician combined with Electrical review and formed Electrical review and western electrician.
In 1912 Electrocraft was incorporated with Electrical review and western electrician.
E. 1+; **C.** 2+; **N.** 2+; **S.** 6, 13, 53+; **CE.** 54+

Electrical times. M. Vol. 1-2. 1906. Toledo, O., 1906.
No more information available.
E. 1-2.

Electrical times. W. Vol. 1+ 1892+ Lond., 1892+
Vol. 1-18 title reads Lightning.
Vol. 19-20 title reads Lightning, the electrical times.
E. 3+

Electrical world. W. Vol. 1+ 1883+ N. Y., 1883+
Continuation of the Operator.
From January-April 21, 1883 title reads Operator and electrical world and the volume number is 14, nos. 1-16, being the volume number of the Operator. On April 28 the title became Electrical world and the volume is Vol. 1, no. 17. The Operator continued as a semi-monthly publication and the Electrical world as a weekly publication.
In July 1896 Electric railway gazette consolidated with Electrical world.
In March 1899 Electrical engineer consolidated with Electrical world and the title became Electrical world and engineer.
In 1906 American electrician consolidated with Electrical world and engineer and title became Electrical world.
Index. Vol. 1-28. 1883-1896. N. Y., 1897.
Index. Vol. 29-52. 1897-1908. N. Y., 1897-1908.
C. 1+; **E.** 1+; **P.** 1+; **CE.** 3+; **N.** [1-2], 3-9, [10-15], 16, [17-18], 19-23, [24-27], 28+; **S.** 9+; **CC.** 24-48, [49-51], 52-53, [54], 55-56, [57-58], 60+

Electrical world and engineer *See* Electrical world.

Electrical world and record. W. Vol. 1-2. 1908-1909. Manchester, 1908-1909.
No more information available.
E. [1-2].

Electrician. W. Vol. 1-5. November 1861-April 1864. Lond., 1861-1864.
Discontinued in May 1864.
E. 1-5.

Electrician. W. Vol. 1+ 1878+ Lond., 1878+
E. 1+; **N.** 1+; **P.** 1+; **C.** 1-66, 68+; **CE.** 3-4, [5], 6+; **S.** 17+

Electrician and electrical engineer *See* Electrical engineer (N. Y.).

Electrician and mechanic *See note* Modern electrics and mechanics.

Electrician (N. Y.) *See* Electrical engineer (N. Y.).

Electricien, revue internationale de l'électricité. W. Ser. 1, Vol. 1-14, 1881-1890; Ser. 2, Vol. 1+ 1891+ Par., 1881+
Ser. 1 title reads Electricien, revue générale d'électricité.
In 1891 Revue internationale de l'électricité was incorporated with Electricien.
C. 1-14, Ser. 2, 1+; **N.** 1-14, Ser. 2, 1+; **E.** 1-9, Ser. 2, 1+; **S.** 1-8, [9].

Electricité, revue scientifique illustrée. Irreg. Vol. 1-18. 1876-1894. Par., 1876-1894.
No more information available.
C. 1-18; **N.** 1-17; **E.** 1-6, [7], 8 [9].

Electricity. W. Vol. 1+ 1890+ Lond., 1890+
Vol. 1-21 title reads Electricity and electrical engineering.
E. 1-5, [6], 7-9, [10, 12-14], 15+; CE. [20], 21-25.

Electricity. W. Vol. 1-30, no. 14. 1891-1906. N. Y., 1891-1906.
Ceased publication April 1906.
CE. 1-30; C. 1-30; E. 1-30; N. [1-2], 3, [5], 6-7, [8-12], 13-30; S. [1-2], 3-5, [6].

Electricity and electrical engineering *See* Electricity.

Electricity and railroading. M. New ser., no. 1-12. 1892-1893. Bost., 1892-1893.
No more published.
E. 2, 5, 8-9, 11-12.

Electro, revue internationale de l'électricité. M. Vol. 1+ 1902+ Bruxelles, 1902+
E. [1-2], 3+

Electro-chemist and metallurgist and metallurgical review. M. Vol. 1-4, pt. 2. 1901-1904. Westminster, 1901-1904.
Vol. 1, nos. 1-3 title reads Electro-chemist & metallurgist.
In 1902 changed to bi-monthly publication.
Vol. 3-4 is Organ of the Faraday Society.
Discontinued December 1904.
C. 1-4; E. 1-4; N. 1-4; CC. 3-4; S. [3-4].

Electrochemical and metallurgical industry *See* Metallurgical and chemical engineering.

Electrochemical industry *See* Metallurgical and chemical engineering.

Electrochimie. M. Vol. 1-12. 1897-1906. Par., 1897-1906.
Continued as Revue de l'électrochimie et de l'électrométallurgie.
E. 3-6, 9-11.

Electrocraft. M. Vol. 1-7. 1905-1911. Detroit, Mich., 1905-1911.
Incorporated with Electrical review and western electrician in 1912.
E. [1-2], 3-7; N. [4], 5, [6-7].

Electroforce. M. Vol. 1+ 1912+ Milwaukee, Wis., 1912+
E. 1+

Electro-metallurgist and electric light journal. M. Vol. 1, nos. 1-6. 1880. Lond., 1880.
No more information available.
E. 1.

Electron. M. Vol. 1+ 1913+ Chic., 1913+
E. 1+

Electro-techniker. S-M. Vol. 1-4. 1882+ Wien, 1882+
N. [2-3], 4-8, [9], 16+; E. 1-4.

Elektrichestvo. M. Vol. 1+ 1880+ St. Petersburg, 1880+
E. 1-4, 36+

Elektrische bahnen *See* Elektrische kraft-betriebe und bahnen.

Elektrische bahnen und betrieb *See* Elektrische kraft-betriebe und bahnen.

Elektrische kraft-betriebe und bahnen. T-M. Vol. 1+ 1903+ Mün., 1903+
Vol. 1-2 title reads Elektrische bahnen.
Vol. 1 published bi-monthly.
Vol. 2 published semi-monthly.
Vol. 3-4 title reads Elektrische bahnen und betrieb.
E. 1+; N. 3+

Elektrochemische zeitschrift. M. Vol. 1+ March 1894+ Ber., 1894+
CC. 1+; C. 1+; E. 1+; N. 1+

Elektron. M. Vol. 1, no. 1. January 1894. Bost., 1894.
No more published.
E. 1.

Elektrophysikalische rundschau. M. Vol. 1-4, no. 5. 1910-February 1913. Ber., 1910-1913.
Temporarily suspended.
E. 4.

Elektrotechnik und maschinenbau. W. Vol. 1+ 1883+ Wien, 1883+
Vol. 1 title reads Zeitschrift des Elektrotechnischen Vereines in Wien.
Vol. 2-23 title reads Zeitschrift für elektrotechnik.
E. 1+; N. 1+; C. 1-26, 28+; CE. 25-29.

Elektrotechnika. S-M. Vol. 1+ 1908+ Budapest, 1908+
E. [1-2], 3, [4], 5+

Elektrotechnische mitteilungen. M. Vol. 1-3, no. 3. 1901-1903. Halle a. S., 1901-1903.
No more published.
N. 1, [2].

Elektrotechnische rathgeber *See* Zeitschrift für maschinenbau und schlosserei. Beilage. Elektrotechnische rathgeber.

Elektrotechnische rundschau. W. Vol. 1+ 1883+ Frankfurt-a-Main,-Potsdam, 1883+
From 1883-1898 (?) published in Frankfurt-a-Main.
In 1898(?) moved to Potsdam and continued as two publications: Zeitschrift für elektrotechnik and Elektrotechnische und polytechnische rundschau, which later became Elektrotechnische rundschau.
In July 1914 (Vol. 31, no. 27) absorbed Zeitschrift für elektrotechnik und maschinenbau.
N. 15-24; E. 31+

Elektrotechnische und polytechnische rundschau *See* Elektrotechnische rundschau.

Elektrotechnische zeitschrift. W. Vol. 1+ 1880+ Ber., 1880+
Organ des Elektrotechnischen Verein.
In 1890 incorporated Centralblatt für elektrotechnik.
Since 1894 Organ des Verbandes deutscher elektrotechniker.
Generalregister. 1880-1902. Ber., 1904.
C. 1+; N. 1+; P. 1+; E. 1-6, [7], 8+; S. 25+; CE. 32.

Elektrotechnischer anzeiger. S-W. Vol. 1+ 1884+ Ber., 1884+
E. [12-17], 18-24, [25], 26+

Elektrotechnischer Verein in Wien *See* Elektrotechnik und maschinenbau.

Elektroteknisk Forening *See* Teknisk tidsskrift.

Elektroteknisk tidsskrift. T-M. Vol. 1+ 1888+ Kristiania, 1888+
E. [15-16], 17, [18], 19+

Elettricista. S-M. Vol. 1+ 1892+ Roma, 1892+
E. 1-8, [9], 10+

Ellettricista *See* Natura.

Elettricita. W. Vol. 1+ 1882+ Mil., 1882+
E. 8-10, 13-18, [19], 21+; **N.** 20+

Elliott's magazine *See note* Good roads.

Emerson monthly. M. Vol. 1+ 1904+ St. Louis, 1904+
E. 3-6, [7], 8+

Emporium of arts and sciences. M. Vol. 1-2, 1812; New ser. Vol. 1-3, 1812-1814. Phil., 1813-1814.
No more published.
E. 1-2, New ser. 1-3; **S.** 1-2, New ser. 1-3.

Energía eléctrica. S-M. Vol. 1+ 1899+ Madrid, 1899+
E. 16+

Engineer *See* Columbia University. Engineering Society. Columbia engineer.

Engineer *See* Pennsylvania State College. School of Engineering. Engineer.

Engineer (Chicago). S-M. Vol. 1-45. 1881-1908. Chic., 1881-1908.
Vol. 1-14 (1881-1887) title reads Mechanical engineer.
Vol. 1-35 (1881-September 1898) published in New York.
Vol. 36-40, no. 20 (September 1898- October 1903) published in Cleveland, and commonly known as the Engineer (Cleveland).
In September 1898 the Scientific machinist was incorporated with the Engineer.
In September 1903 (Vol. 40, no. 17) Steam engineering was incorporated with the Engineer, and the place of publication was changed to Chicago.
In May 1908 incorporated with Power and continued as Power and the engineer.
E. 5-45; **C.** 9-10, 17-24, 39-45; **N.** 25-26, [30-31], 33-45; **S.** [38, 40-44]; **CE.** [38], 39-40, [41]; **P.** 40.

Engineer (Cleveland) *See* Engineer (Chicago).

Engineer (London). W. Vol. 1+ 1856+ Lond., 1856+
CE. 1+; **E.** 1+; **S.** 1+; **C.** 1-96, 98+; **CC.** 30-60, 69-86; **P.** 40.

Engineer, architect and surveyor *See* Engineering news.

Engineer and machinist, and engineering and scientific review. M. Vol. 1-3. 1850-1851. Lond., 1850-1851.
No more published.
N. 1-3; **E.** 1-2.

Engineer and surveyor *See* Engineering news.

Engineering. W. Vol. 1+ 1866+ Lond., 1866+
CE. 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 1+; **CC.** 2-83, [84], 85-89, [90], 91+

Engineering & building record and the sanitary engineer *See* Engineering record.

Engineering and contracting. W. Vol. 25+ N. Y.,-Chic., 1906+
In 1906 Roadmaster and foreman was incorporated with Engineering-contracting under the title of Engineering-contracting and roadmaster and foreman.
The volume number of Roadmaster and foreman, being number 21, is retained for 4 numbers.
In May 1906 Contract news was incorporated with Engineering-contracting, changing from monthly to weekly publication, and retaining the volume number of Contract news, which is Vol. 25, no. 19.
In July 1907 Engineering world was incorporated with Engineering-contracting.
1906-May 1911 title reads Engineering-contracting.
E. 25+; **CE.** [25], 26+; **C.** [26], 27+; **N.** [27], 29+; **S.** 32+

Engineering and mining journal. W. Vol. 1+ 1866+ N. Y., 1866+
Vol. 1-7 title reads American journal of mining.
Coal and iron record was consolidated with Engineering and mining journal in 1875.
Mining review (Denver) was consolidated with Engineering and mining journal in 1877.
Polytechnic review was consolidated with Engineering and mining journal in 1879.
Coal was consolidated with Engineering and mining journal in 1884.
Mining and metallurgy was consolidated with Engineering and mining journal in 1902.
Mining magazine (N. Y.) was incorporated with Engineering and mining journal in 1906.
Statistical supplement. Mineral industry Vol. 1-5.
C. 1+; **E.** 1+; **N.** 1-8, [9], 10, [11], 12-15, [16], 17-22, [23], 24-25, [26-28], 30+; **CC.** 9-10, 15-16, 19-22, 24, 26-44, [45], 46-56, [57], 58+; **S.** [12], 13, [14], 15, [16-19], 20, [21-22], 23-24, [25], 26-33, [34-35], 36, [37-38, 47], 48-51, [52], 53-56, [57], 58-60, [61-62], 63-66, [67-68], 69-72, [73], 74-76, [77-78], 79-80, [81]; **CE.** 27+; **P.** 35-51, 59+

Engineering-contracting *See* Engineering and contracting.

Engineering Association of New South Wales.
Minutes of proceedings. Y. Vol. 1+ 1885+ Sydney, 1885+
CE. 1+; **E.** 1+; **N.** 1-10.

Engineering Association of the South.
Proceedings. Q. Vol. 1+ 1889+ Nashville, 1889+
CE. 9-21; **E.** 6-7, [9], 11-19, [20], 21+; **N.** [18-19].

Engineering Association of the South.
Transactions. Y. Vol. 1+ 1889+ Nashville, 1889+
CE. 1+; **E.** 6-7, 9-11, 13-16.

Engineering contractor *See* American Society of Engineering Contractors. Engineering contractor.

Engineer digest *See* Industrial engineering and the engineering digest.

Engineering era. S-M. Vol. 1, nos. 1-11. 1885-1886. Cleveland, 1885-1886.
No more information available.
CE. 1; **E.** [1].

Engineering index. Vol. 1-4. 1884-1905. N. Y., 1892-1906.
Vol. 1 title reads Descriptive index of current engineering literature and was published in Chicago by the Association of Engineering Societies.
CE. 1-4; **C.** 1-4; **E.** 1-4; **N.** 1-4; **P.** 1-4; **S.** 1-4; **CC.** 2-4.

Continued as:

Engineering index. Y. 1906+ N. Y., 1907+
Published monthly with Engineering magazine, but cumulated annually in a separate volume.
CE. 1906+; **C.** 1906+; **E.** 1906+; **N.** 1906+; **P.** 1906+; **S.** 1906+; **CC.** 1906-1910.

Engineering law. M. Vol. 1+ 1912+ N. Y., 1912+
C. 2+

Engineering magazine. M. Vol. 1+ 1891+ N. Y., 1892+
CC. 1+; **CE.** 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 1+

Engineering mechanics. W. Vol. 1-19. 1882-1897. N. Y., 1882-1897.
Vol. 1-13 (1882-1891) title reads Mechanics. There is a duplication of volume numbering of Vols. 17-19.
No more published.
E. 1-6, 8-19; **N.** 1-8, [16], 17, [18]; **CE.** 1-6, 11-18.

Engineering news. W. Vol. 1+ 1874+ Chic.-N. Y., 1874+
Vol. 1, no. 1 title reads Engineer and surveyor.
Vol. 1, nos. 2-9 title reads Engineer, architect and surveyor.
Vol. 9-18 title reads Engineering news and American contract journal.
Vol. 19-48 title reads Engineering news and American railway journal.
General index. 1874-1890. N. Y., 1891.
Index. 1890-1899. N. Y., 1900.
Index. 1900-1904. N. Y., 1905.
Index. 1905-1909. N. Y., 1910.
C. 1+; **E.** 1+; **CE.** 2+; **N.** 4+; **P.** 4, 7+; **S.** 2, 19+; **CC.** 36-38, 40-42, 47+

Engineering news and American contract journal *See* Engineering news.

Engineering news and American railway journal *See* Engineering news.

Engineering press monthly index review *See* Revue de l'ingenieur et index technique.

Engineering quarterly. Irreg. Vol. 1-5. 1907-1911. Columbia, Mo., 1907-1911.
No more published.
S. [1-2], 3-5.

Engineering record. W. Vol. 1+ 1877+ N. Y., 1877+
Vol. 1-3 title reads Plumber and sanitary engineer.
Vol. 4-13 title reads Sanitary engineer.
Vol. 14-16, no. 18 title reads Sanitary engineer and construction record.
Vol. 16, no. 19-Vol. 21 title reads Engineering & building record and the sanitary engineer.
Vol. 1-2, no. 6 published monthly.
Vol. 2, no. 7-Vol. 4 published semi-monthly.
CE. 1+; **C.** 1+; **N.** 1+; **CC.** 1+; **E.** 3+; **S.** 1-4, 18, 25+; **P.** 49-62.

Engineering review (London). M. Vol. 1+ 1899+ Lond., 1899+
Vol. 1-9 title reads Feilden's magazine.
CE. 1+; **E.** 2-23, [24], 25+; **S.** 16-18, [19], 20, [21], 22+; **C.** 25+; **N.** [1-6, 8-10, 15, 19, 21, 23-24].

Engineering review (New York). M. Vol. 1-22, no. 9. 1891-1912. N. Y., 1891-1912.
Vol. 1-10, no. 5 (1891-June 1900) title reads Heating and ventilation.
In June 1900 (Vol. 10) Heating and ventilation consolidated with Sanitary plumber and published June and July numbers under the title of Heating, ventilating & sanitary plumbing. The volume number of Heating and ventilation is retained.
In August 1900 the title changed to Engineering review.
In October 1912 consolidated with Metal worker, plumber and steam fitter.
N. 3-22; **C.** 4-22; **E.** 5-22; **CE.** 12-21; **S.** 16-22.

Engineering review *See* Purdue engineering review.

Engineering review and metal worker. M. Vol. 1-2, 1891-1893; New ser. Vol. 1-4, 1893-1897. Lond., 1891-1897.
Vol. 1-3 title reads Engineering review.
Incorporated with Iron and coal trades review in 1897.
N. New ser. [1], 2-4; **CE.** New ser. 1-3, [4].

Engineering Society of Columbia University *See* Columbia University. Engineering Society.

Engineering Society of Siam.
Siam engineering. Y. Vol. 1, no. 1-2. 1906-1907. Bangkok, 1906-1907.
E. [1].

Engineering Society of the School of Practical Science, Toronto *See* Toronto University. Engineering Society of the School of Practical Science.

Engineering Society of Wisconsin.
Proceedings of the annual meeting. Y. 1st+ 1909+ Madison, 1909+
CE. 1+; **E.** 1+

Engineering Society of York, Pennsylvania.
Proceedings. Y. Vol. 1+ 1912+ York, Pa., 1912+
E. 2.

Engineering times. W. Vol. 1-21, no. 4. 1898-July 1910. Lond., 1898-1910.
Ceased publication July 1910.
CE. 13-18, [19].

Engineering world. W. Vol. 1-5, no. 21. 1904-1907. Chic., 1904-1907.
Published monthly until June 1906.
Ceased publication May 1907 and in July 1907 was incorporated with Engineering-contracting.
CE. [1, 3], 4-5; **C.** 4-5; **N.** [4-5]; **E.** [5].

Engineers and Architects Club of Louisville.
Selected papers. Irreg. 1896+ n.p., 1896+
CE. 1896.

Engineers' and power users' magazine. M. Vol. 1-10. 1895-1899. Bost., 1895-1899.
Vol. 1-5 (1895-1897) title reads Lord's power and machinery magazine and builders' handbook.
Vol. 6 (1897) title changed to Engineers' and power users' magazine, which was formed by incorporating Safety valve and Stationary engineer with Lord's power magazine.
Continued as Steam engineering.
E. 1-8.

Engineers and Surveyors of the State of Pennsylvania.
Proceedings of the convention. Y. 1880. Phil., 1881.
No more information available.
CE. 1880.

Engineers' Club of Baltimore.
Monthly journal. M. Vol. 1+ 1911+ Baltimore, 1911+
CE. 1+; **E.** 1+

Engineers' Club of Central Pennsylvania *See* Engineers' Society of Pennsylvania.

Engineers' Club of Dayton.
Proceedings. Irreg. Vol. 1+ October 1914+ Dayton, 1914+
E. 1+

Engineers' Club of Philadelphia.
Proceedings. Q. Vol. 1+ 1880+ Phil., 1880+
CE. 1+; **E.** 1+; **C.** 1-10, 25, [26]; **S.** 23+

Engineers' Club of St. Louis.
Transactions. 1871, 1874. n.p., 1871-1874.
CE. 1871, 1874.

Engineers' Club of Toronto.
Bulletin. No. 1-(?) 1903-1911(?). Toronto, 1903-1911(?).
Club no longer in existence.
N. 1.

Engineers' Club of Toronto.
Proceedings. Y. Vol. 1+ 1908+ Toronto, 1909+
CE. 1; **E.** 1.

Engineers' gazette. M. Vol. 1-17. 1888-1903. Lond., 1888-1903.
Consolidated with Practical engineer (London) in 1903.
N. 11-17.

Engineers' journal and railway and public works chronicle of India and the colonies. S-M. Vol. 1-12. 1858-1869. Calcutta, 1858-1869.

Engineers' list. M. Vol. 1-21. 1891-1912. Perth Amboy, 1891-1912.
Discontinued August 1912.
N. [3, 6, 8], 9-20; **E.** [16], 17-20, [21].

Engineers' review (Cleveland). M. Vol. 1-18. 1890(?)-1907. Cleveland, 1890(?)-1907.
Consolidated with Power in December 1907.
E. [16], 17-18.

Engineers' Society of Pennsylvania.
Journal. M. Vol. 1+ 1909+ Harrisburg, 1909+
Vol. 1, nos. 1-4 name of Society reads Engineers' Club of Central Pennsylvania.
CE. 1-3; **C.** 1+; **E.** 1+; **S.** 1+

Engineers' Society of the University of Minnesota *See* Minnesota University. Engineers' Society.

Engineers' Society of Western New York.
Transactions. Irreg. Vol. 1, nos. 1-8. 1895-1897. Buffalo, N. Y., 1895-1897.
Papers and proceedings since 1897 published in the Journal of the Association of Engineering Societies.
Withdrew from the Association in December 1906.
CE. [1].

Engineers' Society of Western Pennsylvania.
Proceedings. 10 nos. Y. Vol. 1+ 1880+ Pittsburg, 1880+
Vol. 1 title reads Transactions.
Index. Vol. 1-20. 1880-1904. Pittsburg, 1906.
E. 1+; **CE.** 1, 4+; **N.** 1, 4+; **C.** 4+; **S.** 7, [13, 19-21], 23+

English Ceramic Society.
Transactions. Vol. 1+ 1901+ Stoke-upon-Trent, 1901+
Vol. 1-2 issued as Transactions of North Staffordshire Ceramic Society.
C. [11], 12+

English mechanic and world of science. W. Vol. 1+ 1865+ Lond., 1865+
Vol. 1 title reads English mechanic.
Vol. 2-10 title reads English mechanic and mirror of science and art.
Vol. 11 title reads English mechanic and mirror of science.
P. 1+; **C.** 1-92, 94; **E.** 1-58, [59], 60-64, [65-66], 67-70, [71], 72+; **N.** 1-48, 66+

Engrais. W. Vol. 1+ 1886+ Par., 1886+
CC. 16-25.

Escola de Minas de Ouro Preto.
Annaes. Y. No. 1+ 1881+ Ouro Preto, 1881+
Nothing published between 1885 and 1902.
E. 1-5, 7-13; **N.** 1-5, 7, 9.

Escuela de Ingenieros.
Anales de construcciones civiles, minas é industrias del Perú. Vol. 1-6, 1880-1887; Ser. 2, Vol. 1+ 1901+ Lima, 1880+
N. Ser. 2, 1.

Essayons Club of the Corps of Engineers.
Printed papers. Irreg. No. 1-50. 1868-1882. Willets Point, N. Y., 1868-1882.
No more published.
CE. 1-50; **C.** 1-50.

Etincelle électrique. S-M. Vol. 1+ 1896+ Par., 1896+
N. 5+

Excavating engineer. M. Vol. 1+ 1905+ Milwaukee, 1905+
Until October 1912 (Vol. 9) title reads Steam shovel news.
E. 9+

Export electric accumulator. M. Vol. 1, nos. 1-6. 1908. Lond., 1908.
No more information available.
E. 1.

Factory. M. Vol. 1+ 1907+ Chic., 1907+
Nothing published November-December 1909.
N. 1+; E. [1], 2-3, [4], 5+; S. [3, 7-8].

Färben-industrie. Q. Vol. 1, nos. 1-6. October 1888-December 1889. Ber., 1889-1890.
No more published.
C. 1.

Färber-zeitung. S-M. 1869+ Ber., 1869+
From 1873-1880 title reads Reimann's färber-zeitung.
CC. 1873-1874, 1877-1878, 1880, 1889-1904; N. 1909+

Färberei-muster-zeitung *See* Leipziger färber- und zeugdrucker-zeitung.

Faraday Society.
Transactions. Irreg. Vol. 1+ 1905+ Lond., 1905+
Vol. 3-4 of Electro-chemist & metallurgist and metallurgical review was the Organ of the Faraday Society 1903-1904.
CC. 1+; E. 1+; S. [2-7]; N. 5+

Farben zeitung. W. Vol. 1+ 1895+ Ber., 1895+
CC. [17], 18+; N. 17.

Farm engineering. M. Vol. 1+ 1913+ Springfield, O., 1913+
E. [1], 2+

Farmer & mechanic. M. New ser. Vol. 1-6. 1847-1852. N. Y., 1847-1852.
1843-1846 published under the title of New York farmer and mechanic. A weekly and a monthly series was published. These series united and formed a new series under the title of Farmer & mechanic.
No more published.
N. 1-5.

Federated Canadian Mining Institute *See* Canadian Mining Institute.

Federated Institutes of Brewing. Journal *See* Institute of Brewing. Journal.

Federated Institution of Mining Engineers *See* Institution of Mining Engineers.

Federation of Trade Press Associations in the United States.
Proceedings, annual convention. Y. 1st+ 1906+ Bost., 1906+
E. 6th.

Feilden's magazine *See* Engineering review (London).

Fer et acier. M. Vol. 1+ 1905+ Bruxelles, 1905+
E. 1+; N. [8], 9+

Ferrum. M. Vol. 10+ 1912+ Aachen, 1912+
New series of Metallurgie.
In October 1912 Metallurgie divided and formed two publications: Ferrum and Metall und erz. The volume number of Metallurgie is retained for Ferrum.
C. 10+; E. 10+

Feuerungstechnik. S-M. Vol. 1+ 1912+ Lpz., 1912+
CC. 1+; E. 1+

Feuerwehrtechnische zeitschrift. S-M. Vol. 1+ July 1913+ Ber., 1913+
E. 1+

Financial and mining record. W. Vol. 1-32, no. 15. 1877-1892. N. Y., 1877-1892.
Vol. 1-16 (1877-April 1885) title reads Mining record.
No more information available.
N. [4-5], 6-31, [32]; E. 13-20, [21-22], 23-31; C. 15-17, 19-22.

Fire and water *See* Fire and water engineering.

Fire and water engineering. W. Vol. 1+ 1886+ N. Y., 1886+
Continuation of Fireman's journal.
Fireman's journal was incorporated with Fire and water in 1886.
Vol. 1-32 title reads Fire and water.
E. 1+; N. 1+; C. 19+

Fireproof *See* Fireproof magazine.

Fireproof digest. M. Vol. 1, nos. 1-6. 1912. N. Y., 1912.
Discontinued.
E. [1].

Fireproof magazine. M. Vol. 1-11. 1902-1907. Chic., 1902-1907.
Vol. 1-4, no. 3 title reads Fireproof.
No more published.
N. 1-2, [3], 4-5, [6], 7-11; CE. 2-5, [6].

Fischer's Jahres-bericht *See* Jahres-bericht über die leistungen der chemischen technologie.

Flight. W. Vol. 1+ 1909+ Lond., 1909+
Continuation of the Flight section of the Automotor journal.
Official organ of the Royal Aero Club of the United Kingdom.
N. [1], 2+; S. [1-4], 5+; C. 4+; E. 6+

Flugsport. B-W. Vol. 1+ 1909+ Frankfurt-a-Main, 1909+
N. 1+

Fly. M. Vol. 1-5, no. 10. 1908-October 1913. Phil., 1908-1913.
Incorporated with Aeronautics in 1914.
E. 1-4, [5]; C. 3-5.

Flying. Q. Nos. 1-6. 1901-1903. Lond., 1901-1903.
Incorporates the Flyer, Flying machine, Aeronaut.
Incorporated with Autocar in 1904.
No more published.
N. 1-6.

Fördertechnik. M. Vol. 1+ 1907+ Ber., 1907+
Published semi-monthly until 1909.
N. 1+; **E.** [1], 2+; **CE.** [2], 3, [4].

Fonderie moderne. M. Vol. 1+ 1908+ Par., 1908+
E. 5+

Forest leaves *See* Pennsylvania Forestry Association. Forest leaves.

Forester *See* American Forestry Association. American forester.

Forestry and irrigation *See* American Forestry Association. American forestry.

Forestry quarterly. Q. Vol. 1+ 1902+ Ithaca, N. Y., 1902+
E. 1-2, [3], 4+; **N.** [2-3], 4+

Fortschritte der chemie, physik und physikalischen chemie. S-M. Vol. 1-6, 1903-1909; New ser. Vol. 1+ 1909+ Lpz., 1904+
Years 1903-1909 title reads Physikalisch-chemisches centralblatt.
C. 1-6, New ser. 1+; **N.** 1-6, New ser. 1+

Fortschritte der elektrotechnik. Q. Vol. 1-25. 1887-1911. Ber., 1888-1912.
In 1912 combined with the International Institute of Technical Bibliography and published as a part of the Journal until it ceased publication in February 1913. A new publication was started under the title of Jahrbuch der elektrotechnik.
E. 1-25; **N.** 1-24; **S.** 4-20; **C.** 1-5.

Fortschritte der mineralogie, kristallographie und petrographie. Y. Vol. 1+ 1911+ Jena, 1911+
N. 1+

Fortschritte der physik. Vol. 1-55. 1845-1899. Ber., 1847-1900.
In 1877 issued in 3 sections. The third section, Physik der erde, continued to 1889.
Vol. 34-35, 37-39, 1878-1879, 1881-1883 contain years 1-7 of the Verhandlungen of the Deutsche Physikalische Gesellschaft.
Continued in the Berichte der Deutschen Physikalischen Gesellschaft as Litteraturverzeichnis.
Namen- und sach-register. Vol. 1-20. 1845-1864. Ber., 1872.
E. 1-55; **N.** 1-55; **CC.** 1-39.

Fortschritte der technik. Jahrbuch des Internationalen Instituts für Techno-Bibliographie. Y. 1909. 2 Vols. Ber., 1909.
Continuation of the Repertorium der technischen literatur.
The monthly publication is called Technische auskunft and the annual cumulation is called Fortschritte der technik.
From 1910-February 1913 continued as the Engineering abstracts of the Journal of the International Institute of Technical Bibliography.
C. 1909; **E.** 1909; **N.** 1909; **P.** 1909; **S.** 1909.

Fortschritte der teerfarbenfabrikation und verwandter industriezweige. Irreg. Vol. 1+ 1877+ Ber., 1877+
CC. 1+

Foundry. M. Vol. 1+ 1892+ Cleveland, O., 1892+
Until April 1901 published in Detroit.
N. [6-13], 14+; **E.** 1-4, [23], 24+; **P.** 34+

Foundry news. M. Vol. 1, nos. 1-4. 1910. N. Y., 1910.
No more information available.
E. 1.

Foundry trade journal and pattern-maker *See* British Foundrymen's Association. Foundry trade journal and pattern-maker.

France. Bureau des Longitudes.
Annuaire. Y. 1799+(?) Par., 1799+
N. 1799-1802, 1804+; **E.** 1833, 1838, 1879, 1897+

France automobile, motocycliste et cycliste. W. Vol. 1+ 1896+ Par., 1896+
Vol. 1-12 title reads La France automobile.
Vol. 13-17, no. 4 title reads La France automobile et aérienne.
Vol. 17, nos. 5-17 title reads La France automobile aérienne & cycliste.
E. 1+

Franklin Institute.
Journal. M. Vol. 1+ 1826+ Phil., 1826+
Continuation of the American mechanics' magazine.
Vol. 1-6 title reads Franklin journal and American mechanics' magazine.
Index. Vol. 1-120. 1826-1885. Phil., 1890.
Index. Vol. 121-140. 1886-1895. Phil., 1896.
Index. Vol. 141-160. 1896-1905. Phil., n.d.
CC. 1+; **CE.** 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 5+

Franklin journal and American mechanics' magazine *See* Franklin Institute. Journal.

Fühlings landwirtschaftliche zeitung. S-M. Vol. 1+ 1851+ Stut., 1851+
CC. 51-60.

Fuel. W. Vol. 1+ 1902+ Chic., 1902+
N. [7, 13-15], 16+

Fuel oil journal. M. Vol. 1+ 1911+ Houston, Tex., 1911+
E. 1+

Gaceta minera y comercial. W. Vol. 1-19. 1873(?)-1901. Cartagena, 1873(?)-1901.
No more information available.
E. [17], 18-19.

Gas age. S-M. Vol. 1+ 1883+ N. Y., 1883+
Vol. 1 title reads Water-gas journal.
Vol. 2-7 title reads Progressive age and water-gas journal.
Vol. 8-30 (1890-1912) title reads Progressive age.
N. [2-5, 14], 15+; **E.** 2, 9+; **C.** 15+; **CC.** 18-30, [31]; **CE.** [1, 19], 20+; **S.** 25+

Gas and oil power. M. Vol. 1+ 1905+ Lond., 1905+
E. [2], 3+; N. [5], 6+

Gas and water review. W. Vol. 1-24. 1880-1890. Lond., 1880-1890.
Vol. 1-11 (1880-1883) title reads Review of gas and water engineering.
In 1890 incorporated with Gas world.
CE. [5, 8-9].

Gas, Electric and Street Railway Association of Oklahoma.
Proceedings of annual convention. Y. 1st+ 1912+ Oklahoma City, 1912+
E. 2nd+

Gas engine. M. Vol. 1+ 1898+ Cincinnati, O., 1898+
E. 3+; N. [3, 5], 6+

Gas engineer *See* Gas engineer's magazine.

Gas engineer's magazine. M. Vol. 1-19, 1876-1887; Vol. 1+ 1888+ Lond., 1876+
Vol. 1-19, 1876-1887 title reads Gas engineer.
N. 14+; E. 18, [19-20], 21, [22], 23, [24], 25; CC. 22-23.

Gas industry. M. Vol. 1+ 1901+ N. Y., 1901+
Vol. 1-10, no. 8 (1901-October 1910) title reads Light.
CC. 1+; N. 1+; S. 8-9, [10], 11+; E. [13], 14+

Gas Institute *See* Institution of Gas Engineers.

Gas Institute news *See* American Gas Institute. Gas institute news.

Gas logic. M. Vol. 1+ July 1905+ N. Y., 1905+
N. 1+

Gas news. Irreg. Vol. 1-3. 1905-1907. Newark, N. J., 1905-1907.
No more information available.
E. [1], 2, [3].

Gas power. M. Vol. 1+ 1903+ St. Joseph, Mich., 1903+
E. [12], 13+

Gas trade circular and review. B-M. Vol. 1-4. 1876-1879. Lond., 1876-1879.
No more information available.
CE. [4].

Gas world. W. Vol. 1+ 1884+ Lond., 1884+
In 1890 incorporated Gas and water review and journal of electric lighting.
CC. 34-39, 41-57; C. 54-57; E. [58], 59+; N. 56.

Gas world.
Year book. Y. 1898+ Lond., n.d.
E. 1913+

Gasmotorentechnik *See* Oel- und gasmaschine.

Gastechniker *See* Verein der Gas- und Wasserfachmänner in Osterreich-Ungarn. Zeitschrift.

Gaz. M. Vol. 1+ 1857+ Par., 1857+
N. [37], 45+; CC. 45-55, [56].

Gazette de l'électricien. W. 1906. Par., 1906.
No more information available.
E. 1906.

Gazzetta chimica Italiana. M. Vol. 1+ 1871+ Roma, 1871+
Vol. 33-date includes Rendiconti della Società Chimica di Roma.
CC. 1+; C. 1+; N. 27+

General Contractors Association.
Bulletin. M. Vol. 1+ 1910+ N. Y., 1910+
E. 1+; C. 4+

General electric review. M. Vol. 1+ 1903+ Schenectady, N. Y., 1903+
Vol. 1-8, no. 5 title reads General Electric Company review.
E. 1-6, [7-8], 9+; N. 10+; S. 11+

General Mining Association of the Province of Quebec.
Journal. Irreg. Vol. 1-2. 1891-1895. Ottawa, 1893-1895.
In 1896 formed a part of the Federated Canadian Mining Institute which in 1898 became the Canadian Mining Institute.
E. 1-2.

General Time Convention *See* American Railway Association. Proceedings.

Génie civil. W. Vol. 1+ 1880+ Par., 1880+
Vol. 1-3 published semi-monthly.
Table générale des matières. Vol. 1-20. 1880-1892. Par., 1892.
Table générale des matières. Vol. 21-40. 1892-1902. Par., n.d.
CE. 1+; C. 1+; E. 1+; N. 1+

Génie industriel. Vol. 1-44. 1851-1872. Par., 1851-1872.
No more published.
Table alphabétique des matières. Vol. 1-24. 1851-1862. Par., 1863.
N. 1-40; C. 5, 23-34.

Geographical Club of Philadelphia *See* Geographical Society of Philadelphia.

Geographical Society of Philadelphia.
Bulletin. Q. Vol. 1+ 1893+ Phil., 1895+
Vol. 1 (1893-1895) known as the Geographical Club of Philadelphia.
E. 3-9; S. 5-9; CE. 3-7, [8-9].

Geographical Society of Quebec.
Transactions. Irreg. Vol. 1-2. 1880-1897. Quebec, 1880-1897.
CE. 2.

Geographischer litteratur-bericht *See* Mittheilungen aus Justus Perthes' geographischer anstalt über wichtige neue erforschungen auf dem gesammtgebiete der geographie. Beilage. Geographischer litteratur-bericht.

Geologia y minas *See* Ciencia é industrias.

Geological magazine. M. Vol. 1-10, 1864-1873; New ser. decade 2, Vol. 1-10, 1874-1883; New ser. decade 3, Vol. 1-10, 1884-1893; New ser. decade 4, Vol. 1-10, 1894-1903; New ser. decade 5, Vol. 1-10, 1904-1913; New ser. decade 6, Vol. 1+ 1914+ Lond., 1864+
1858-1863 known as the Geologist.
Index. Vol. 1-40. 1864-1903. Lond., 1905.
N. [1], New ser. decade 4, 4-10, New ser. decade 5, 1+; **E.** 1-3, New ser. decade 5, 6+

Geological record. Y. 1874-1884. Lond., 1875-1890.
No more published.
N. 1874-1884.

Geological Society of America.
Bulletin. Q. Vol. 1+ 1890+ N. Y., 1890+
Index. Vol. 1-10. Rochester, 1900+
Index. Vol. 11-20. N. Y., 1910.
E. 1+; **N.** 1+

Geological Society of Glasgow.
Transactions. Irreg. Vol. 1-12. 1860-1902(?). Glasgow, 1868-1902(?).
No more information available.
N. 1, 4-6, 8.

Geological Society of London.
Proceedings. M. Vol. 1-4. 1826-1845. Lond., 1834-1846.
Classified index to Transactions, Proceedings, and Quarterly journal of the Society up to 1868. Lond., 1870.
E. 1-4; **N.** 1-4.

Geological Society of London.
Quarterly journal. Q. Vol. 1+ 1845+ Lond., 1845+
Classified index to Transactions, Proceedings, and Quarterly journal of the Society up to 1868. Lond., 1870.
Classified index. 1869-1875. Lond., 1876.
Classified index. 1876-1882. Lond., 1883.
Classified index. 1883-1889. Lond., 1890.
Index. Vol. 1-50. 2 Pts. Lond., 1897.
E. 1+; **N.** 1+

Geological Society of London
Transactions. Irreg. Vol. 1-5, 1811-1821; Ser. 2, Vol. 1-7, 1824-1856. Lond., 1811-1856.
Classified index to Transactions, Proceedings, and Quarterly journal of the Society up to 1868. Lond., 1870.
E. 1-5, Ser. 2, Vol. 1-7; **N.** 1-5, Ser. 2, 1-7.

Geological Society of South Africa.
Transactions including proceedings. Irreg. Vol. 1+ 1896+ Johannesburg, 1896+
E. [2], 3-4, 6, 8+

Geologische rundschau. 8 nos. Y. Vol. 1+ 1910+ Lpz., 1910+
N. 1+

Geologisches zentralblatt. S-M. Vol. 1+ 1902+ Lpz., 1902+
Generalregister. Vol. 1-15. Lpz., n.d.
E. 12+

Geologiska Föreningen i Stockholm.
Förhandlingar. Y. Vol. 1+ 1872+ Stockholm, 1872+
E. 9-15.

Geologist. Vol. 1-2. 1842-1843. Lond., 1842-1843.
No more published.
N. 1.

Georgia University. Engineering Society.
Engineering Society annual. Y. Vol. 1+ 1893+ Athens, 1893+
CE. 13+

Gerber. Vol. 1+ 1875+ S-M. Wien, 1875+
N. 23+

German Institute of Mining and Metallurgy.
International mining journal. M. Vol. 1, nos. 1-5. July-November 1912. Ber., 1912.
Probably ceased publication.
E. 1.

Gesetze und verordnungen sowie gerichtsentscheidungen betreffend nahrungs-und genussmittel und gebrauchsgegenstände. M. Vol. 1+ 1909+ Ber., 1909+
Supplement of Zeitschrift für untersuchung der nahrungs-und genussmittel, sowie der gebrauchsgegenstände.
CC. 1+

Gesundheits-ingenieur. W. Vol. 1+ 1878+ Mün., 1878+
Vol. 1 title reads Rohrleger.
Vol. 2 title reads Rohrleger und gesundheits-ingenieur.
N. [9-10], 19+; **CE.** 16, [17], 26, 28-34; **E.** 32+

Gewerbe-blatt für sachsen *See* Wieck's deutsche illustrirte gewerbezeitung.

Gewerbehalle. M. Vol. 1-31. 1863-1893. Stut., 1863-1893.
American edition is Workshop.
Incorporated with Zeitschrift der Bayerischer Kunst und Gewerbe-Verein.
S. 1, 3-4, 6, 8, 10, 12, 14.

Gewerblich-technischer ratgeber *See* Sozial-technik.

Giesserei-zeitung. S-M. Vol. 1+ 1904+ Ber., 1904+
CC. 1+; **E.** [1], 2+

Gilbert's annalen der physik *See* Annalen der physik.

Giornale del genio civile. M. Vol. 1+ 1863+ Roma, 1863+
Published in two parts: Parte ufficiale, Parte non ufficiale.
CE. [19], 20, [21-22], [24-25], 31-48; **N.** [23, 26], 35+

Giornale del lavori pubblici. W. Vol. 1-7. 1874-1880. Roma, 1874-1880.
No more information available.
CE. [6-7].

Glaser's annalen für gewerbe und bauwesen *See* Annalen für gewerbe und bauwesen.

Glasgow mechanics' magazine and annals of philosophy. W. Vol. 1-5. 1824-1826. Glasgow, 1824-1826.
E. 1-5; **S.** 3-4.

Glass and pottery world. M. Vol. 1-17, no. 3. 1893-March 1909. N. Y., 1893-1909.
Incorporated with Pottery and glass in April 1909 (Vol. 2, no. 4).
E. [16], 17.

Glassworker. W. Vol. 1+ 1882+ Pittsburg, 1882+
E. [31], 32+

Glue. M. Vol. 1, nos. 1-12. 1910-1911. East Haddam, Conn., 1910-1911.
No more published.
CC. 1.

Glückauf. W. Vol. 1+ 1865+ Essen, 1865+
In 1904 Berg- und hüttenmännische zeitung was incorporated with Glückauf.
Inhalts-verzeichnis. Vol. 31-40. 1895-1904. Essen, 1905.
E. 32-35, [36], 37, [38], 39+; **C.** 34+; **CC.** 36, 38+; **N.** [39], 41+; **CE.** 46-47, [48].

Good lighting and the illuminating engineer. M. Vol. 1-7, no. 11. 1906-1913. N. Y., 1906-1913.
Vol. 1-6 (1906-February 1912) title reads Illuminating engineer. (N. Y.).
Discontinued January 1913.
Continued as Lighting journal.
CC. 1-7; **C.** 1-7; **E.** 1-7; **N.** 1-4, 6-7; **S.** [1], 2-4, [5].

Good roads. M. Vol. 1-7, no. 3, 1892-1895; Vol. 21, no. 14-Vol. 31, no. 4, 1895-1900; New ser. Vol. 1-12, no. 6, 1900-1911; New ser. Vol. 1+ 1911+ N. Y., 1892+
In March 1895 united with Bulletin of the League of American Wheelmen. The volume number of the Bulletin is retained, and the title reads L. A. W. bulletin and good roads. Vol. 30-31 (1899-1900) title reads Elliott's magazine, also began a new series.
New series, Vol. 1 title reads L. A. W. magazine.
New series, Vol. 2-10 (1901-1911) title reads Good roads magazine.
New series, Vol. 2-10, no. 6 (June 1900-June 1911) have also Old series numbering, Vol. 31-41. June-August 1911 issued weekly with a third series numbering, i.e. Old series, Vol. 12, no. 7-Vol. 13, no. 8; New series, i.e. third series, Vol. 1, no. 23-Vol. 2, no. 8. With August 1911 second series numbering was omitted and old series resumed, i.e. Old series, Vol. 42; Third series, Vol. 2, no. 9.
January 1912 is Vol. 41, New series (3rd) Vol. 3, and is numbered consecutively to date.
CE. 1-7, New ser. [4], 5-12, New ser. 1+; **C.** New ser. 1+ (1911+); **E.** [23-29], New ser. [11], 12, New ser. [2], 3+

Good roads Canada. M. Vol. 1+ March 1913+ Toronto, 1913+
C. 1+

Good roads magazine *See* Good roads.

Granite *See* Granite, marble and bronze.

Granite cutters' journal. M. Vol. 1+ 1877+ Quincy, Mass., 1877+
E. [32], 35.

Granite, marble and bronze. M. Vol. 1+ 1891+ Bost., 1891+
Vol. 1-14 title reads Granite.
N. 8+

Graphite. M. Vol. 1+ 1899+ Jersey City, 1899+
N. [1], 2-11, 13+; **E.** 6+

Greater efficiency *See* Efficiency Society. Journal.

Greenough's American polytechnic journal. M. Vol. 1-4. 1853-1854. Wash.-N. Y., 1853-1854.
Vol. 1-2 title reads American polytechnic journal.
No more published.
E. 1-4.

Gren's Journal der physik *See* Journal der physik.

Gummi-zeitung. W. Vol. 1+ 1888+ Ber., 1888+
N. 11+; **E.** [21], 22+

Haarmann's Zeitschrift für bauhandwerker *See* Zeitschrift für das baugewerbe.

Haeders zeitschrift für maschinenbau und betrieb. S-M. Vol. 1+ 1893+ Wiesbaden, 1893+
E. 21+

Hardware and metal. W. Vol. 1+ 1889(?)+ Montreal, 1889(?)+
N. [15-19], 20+

Hardware dealers' magazine. M. Vol. 1+ 1893+ N. Y., 1893+
N. 6+

Harvard engineering journal *See* Association of Harvard Engineers. Harvard engineering journal.

Harvard Engineering Society. Journal *See* Association of Harvard Engineers. Harvard engineering journal.

Harvard Mining Club.
Annual report. Y. No. 1-5. 1903-1908. Cambridge, Mass., 1903-1908.
No more information available.
N. 1-5.

Haustechnische rundschau. S-M. Vol. 1+ 1896+ Halle a. S., 1896+
Vol. 1-6 title reads Zeitschrift für heizung, lüftungs-und wasserleitungstechnik sowie für beleuchtungswesen.
Vol. 7-12 title reads Zeitschrift für heizung, lüftungs-und beleuchtung.
N. [2], 6+; **E.** [12], 13+

Hawaiian Engineering Association.
Press bulletin. Irreg. No. 1+ 1906+ Honolulu, 1906+
N. 1-15, 17-18.

Heating, ventilating & sanitary plumbing *See* Engineering review. (New York).

Heating and ventilation *See* Engineering review (New York).

Heating and ventilating magazine. M. Vol. 1+ November 1904+ N. Y., 1904+
N. 1+; E. 1, [2], 3+; C. 7+; S. [7], 8+

Herapath's railway journal *See note* Railway times.

Herzog's elektrotechnisches jahrbuch. Y. Vol. 1+ 1909+ Stut., 1909+

Het gas. M. Vol. 1+ 1880+ Rotterdam, 1880+
Zach register. Vol. 1-17. 1880-1897. Rotterdam, 1899.
CC. 1+

Holley's railroad advocate *See* Railroad advocate.

Holzwelt. W. Vol. 1+ 1914+ Ber., 1914+
E. 1+

Home study for electrical workers *See* Steam electric magazine.

Home study for machinists, steam engineers, etc. M. Vol. 1-2. 1897-1899. Scranton, Pa., 1898-1899.
Combined with Home study magazine and formed Mechanic arts magazine, which became Science and industry in 1899.
N. 1-2.

Home study for the building trades *See* Building trades magazine.

Home study magazine *See* Science and industry.

Horseless age. W. Vol. 1+ 1895+ N. Y., 1895+
Vol. 1-3 published monthly.
E. 1+; N. 5+; S. [22-23, 25], 26+; C. 25+; CE. [1-3].

Houille blanche. M. Vol. 1+ 1902+ Lyon, 1902+
E. [11], 12+

Hub. M. Vol. 1+ 1858+ N. Y., 1858+
Vol. 1-14 title reads Hub and New York coachmakers' magazine.
N. 13-19, 21-35, 38+

Hub and New York coachmakers' magazine *See* Hub.

Human engineering. Q. Vol. 1+ 1911+ Cleveland, 1911+
E. 1+

Hydraulic and sanitary plumber *See* Sanitary plumber.

Hydrographische mittheilungen *See* Annalen der hydrographie und maritimen meteorologie.

Ice and refrigeration. M. Vol. 1+ 1891+ N. Y., 1891+
E. 1+; N. 4, 8-10, [11], 12+; S. [10-11], 12-19, [20], 21+; CC. 14-41; CE. 38+

Ice record. Vol. 1-2, no. 4. 1900-1901. Phil., 1900-1901.
Ceased publication.
N. 1-2.

Ice trade journal *See* Refrigerating world.

Ice world *See note* Refrigerating world.

Idaho Society of Engineers.
Journal. Irreg. Vol. 1+ 1911+ Boise, 1911+
E. 1+; CE. 1-2.

Ignition and accessories *See* Electric vehicles.

Ignition-carburetion-lubrication *See* Light car age.

Illinois Society of Engineers and Surveyors.
Annual report. Y. 1st+ 1886+ Chic., 1886+
CE. 1st+; N. 2nd+; E. 1st-3rd, 5th-12th, 14th-18th, 20th, 24th+

Illinois University. Association of Engineering Societies.
Technograph. Y. No. 1+ 1885+ Champaign, 1885+
From 1885-1889 title reads Selected papers of the Civil Engineers' Club of the University of Illinois.
Index. Nos. 1-15 in No. 15. Champaign, 1901.
CE. 1, 4+; E. 2, 5-20, 22; C. 5-22.

Illinois University. Engineering Experiment Station.
Bulletin. M. Vol. 1+ 1904+ Urbana, 1904+
E. 1+; N. 1-3, [4], 5-6, [7], 8+; S. 3, 5, 8+

Illinois Water Supply Association.
Proceedings of the meeting. Y. 1st+ 1909+ Urbana, 1909+
E. 1+; CE. 1-2.

Illuminating engineer (London). M. Vol. 1+ 1908+ Lond., 1908+
E. 1+; N. 1-4; CC. 2, [6-7].

Illuminating engineer (New York) *See* Good lighting and the illuminating engineer.

Illuminating Engineering Society.
Transactions. M. Vol. 1+ 1906+ N. Y., 1906+
CC. 1+; E. 1+; S. [1], 2+; N. [2], 3+; C. 6+; CE. [1-3].

Illuminating world. M. Vol. 1-2. 1906-1908. Cincinnati, O., 1906-1908.
E. 1, [2].

Illumination. M. Vol. 1-2. 1909-1910. Chic., 1909-1910.
No more information available.
E. [1-2]; N. [1].

Illuminator. M. Vol. 1-2. Cleveland, O., 1904-1906.
No more information available.
E. 1-2.

Illustrated carpenter and builder. W. Vol. 1+ 1877+ Lond., 1877+
N. 1-38, 42+

Illustrated scientific news *See* Knowledge.

Illustrierte schweizerische handwerker. B-W. Vol. 1-8. 1885-1893. St. Gallen, 1885-1893.
No more information available.
N. 1-8.

Illustrirte aeronautische mittheilungen *See* Deutsche luftfahrer zeitschrift.

Imperatorskoye Ruskoye Tekhnichesskoye Obschestvo.
Zapiski. M. Vol. 1+ 1867+ Petrograd, 1867+
E. 31, [32], 33, [34-35], 36-38, [39-44], 45, [46], 47+

Imperatorskoye Ruskoye Tekhnichesskoye Obschestvo. Moskovskoye Otdeleniye.
Zapiski. 10 nos. Y. Vol. 1+ 1878(?)+ Moskva, 1878(?)+
E. [25], 26-27, [28-34].

Imperatorskoye St. Peterburgskoye Mineralogicheskoye Obschestvo.
Materiyaly dla geologii Rossii. Irreg. Vol. 1+ 1869+ Petrograd, 1869+
Ukazatel statey k Zapiskam Imperatorskava St. Peterburgskava Mineralogicheskava Obschestva. Ser. 2. 1885-1895. St. Petersburg, 1898.
E. 16+

Imperatorskoye St. Peterburgskoye Mineralogicheskoye Obschestvo.
Zapiski. Y. Vol. 1-2, 1830-1842; 1842-1863; Ser. 2, Vol. 1+ 1866+ Petrograd, 1830+
Vol. 1-2 (1830-1842) title reads Trudy.
2 numbers issued in 1842 under the title of Schriften.
1842-1863 title reads Verhandlungen.
N. 1842-1858, 1862-1863; **E.** Ser. 2, 28+

Imperial Institute of the United Kingdom, the Colonies, and India.
Bulletin. Irreg. Vol. 1+ 1903+ Lond., 1903+
Nos. 1-4 issued as a quarterly supplement to the Board of Trade Journal.
N. 1+; **E.** 2+

Imperial journal of art, science, mechanics and engineering. Vol. 1-3. Manchester, 1840.
E. 1-3.

Imperial lamp gazette. M. Vol. 1-3. 1898-1900. N. Y., 1898-1900.
No more information available.
E. [1-3].

Incorporated Association of Municipal and County Engineers *See* Institution of Municipal and County Engineers.

Incorporated Gas Institute *See* Institution of Gas Engineers.

Incorporated Institution of Automobile Engineers *See* Institution of Automobile Engineers.

Incorporated Institution of Gas Engineers.
Transactions. Y. Vol. 1-12. 1891-1902. Lond., 1892-1903.
Combined with the Incorporated Gas Institute and formed the Institution of Gas Engineers.
E. 1-12; **N.** 6.

Incorporated Municipal Electrical Association.
Proceedings of the annual convention. Y. 1st+ 1896+ Lond., 1896+
From 1896-1900 known as the Municipal Electrical Association. It was incorporated in April 1901 and name of Association changed to Incorporated Municipal Electrical Association.
E. 1-16.

Incorporated Society of Inspectors of Weights and Measures.
Monthly review. M. Vol. 1+ 1892+ Watford, 1892+
E. 20+

Index de la press technique *See* Revue de l'ingenieur et index technique.

India-rubber and gutta-percha and electrical trades' journal *See* India rubber journal.

India rubber journal. W. Vol. 1+ 1884+ Lond., 1884+
Vol. 1-40 (1884-1910) title reads India-rubber and gutta percha and electrical trades' journal.
Index. Vol. 1-10. 1884-1894. n.p., n.d.
N. 15+; **E.** [1-2], 37+

India rubber review. M. Vol. 1+ 1902+ Akron, O., 1902+
N. [2-3], 4+; **CC.** [12], 13+

India rubber world. Vol. 1+ 1889+ N. Y., 1889+
Vol. 1-20 title reads India rubber world and electrical trades review.
N. 1+; **E.** 18+; **CC.** [21, 23, 25-28], 30, [31, 34-36, 42], 43+; **C.** 44+

Indian and eastern engineer. M. Vol. 1-28, 1886-1897; New ser. Vol. 1+ 1897+ Calcutta, 1886+
Vol. 1-22 title reads Indian engineer.
1886-1888 published bi-monthly, 1888-1889 published weekly.
E. 1-28, New ser. [1-2], 3, [4-9, 16-17]; **CE.** 1-6, [7], New ser. 22-26.

Indian electrical, mechanical & textile news *See* Indian industries and power.

Indian engineer *See* Indian and eastern engineer.

Indian engineering. W. Vol. 1+ 1886+ Calcutta, 1886+
CE. 1+; **E.** 1+; **N.** 2-4, [5-6], 7-9, [10], 11, [12-13], 14, [15, 22], 23-25, [26, 31-32, 37, 43-44].

Indian industries and power. M. Vol. 1+ 1903+ Bombay, 1903+
Vol. 1 title reads Indian textile, mechanical, and electrical news.
Vol. 2-5, no. 4 title reads Indian electrical, mechanical & textile news.
Indian motor news was incorporated with Indian industries and power in October 1908.
E. 3+; **N.** 6+

Indiana Engineering Society.
Proceedings of the annual meeting. Y. 1st+ 1881+ Indianapolis, 1881+
1st-6th known as the Association of County Surveyors and Civil Engineers of the State of Indiana.
7th-10th known as the Indiana Society of Civil Engineers and Surveyors.
E. 5th-14th, 16th-26th, 28th+; **CE.** 2nd-6th, 8th-31st; **N.** 8th, 11th, 13th-30th.

Indiana Sanitary and Water Supply Association.
Proceedings of the annual convention. Y. Vol. 1+ 1908+ Indianapolis, 1908+
CE. 4; **E.** 5+

Indiana Society of Civil Engineers and Surveyors *See* Indiana Engineering Society.

Industria. W. Vol. 1+ 1887+ Mil., 1887+
CE. 1, [2-4], 5, [6-9], 10-12, [13]; **E.** 4, [17-19], 20, [21], 22, [23], 24+; **N.** [9-14], 15, [16, 19-20].

Industria chimica mineraria e metallurgica. S-M. Vol. 1+ 1899+ Mil., 1899+
Vol. 1-5 (1899-1903) title reads Chimica industriale.
CC. 3, [4-5, 7], 10-11, [12], 13+

Industrial American See Manufacturers' reveiw and industrial record.

Industrial arts index. Y. 1913+ N. Y., 1914+
Five numbers a year are issued and these are cumulated annually in one volume at the end of each year.
E. 1+

Industrial engineering. M. Vol. 1-2. 1909. Pittsburg, 1909.
In 1910 consolidated with Engineering digest and formed Industrial engineering and the engineering digest.
E. 1-2; **S.** [1].

Industrial engineering and the engineering digest. M. Vol. 1+ 1907+ N. Y., 1907+
Vol. 1-2 title reads Technical literature.
Vol. 3-6 title reads Engineering digest.
In 1910 Engineering digest combined with Industrial engineering and formed Industrial engineering and the engineering digest. The volume number of Engineering digest is retained.
CE. 1+; **E.** 1+; **S.** 1+; **C.** 3-4, [8], 9+; **P.** 8+

Industrial magazine. M. Vol. 1-13, no. 3. 1902-1911. N. Y., 1902-1911.
Vol. 1-4 title reads Draftsman.
Vol. 5 title reads Browning's industrial magazine.
In 1912 consolidated with Industrial engineering and the engineering digest.
E. [5], 6-7, [8-11], 12-13; **CE.** [6], 7-13; **N.** [1], 2-11, [12].

Industrial monthly. M. New ser. Vol. 1-8, no. 5. 1873-1877. N. Y., 1873-1877.
Continuation of Technologist.
No more published.
C. New ser. 1, 4, 6; **N.** 1-4, [5, 8].

Industrial progress. M. Vol. 1-2. 1909-1910. Milwaukee, Wis., 1909-1910.
No more published.
E. 1-2; **N.** [1], 2; **S.** [1].

Industrial south. M. Vol. 1-6. 1881-1886. Richmond, Va., 1881-1886.
Published weekly until August 1886.
In 1886 incorporated Virginias.
No more information available.
E. [6].

Industrial times and mining record. M. Vol. 1-13, no. 3. 1898(?)-1907. N. Y., 1898(?)-1907.
No more published.
N. [6], 7-13.

Industrial world *See* Steel and iron.

Industrial world and iron worker. W. Vol. 1-50. no. 11. 1867-1898. Chic., 1867-1898.
Vol. 1-17 title reads Industrial world.
In September 1882 the Chicago commercial advertiser was incorporated with Industrial world and became Industrial world and iron worker.
In March 1898 was incorporated with Iron trade review.
E. 15-40, 42-50; **N.** [24], 25-26, [27-29], 30-39, [40], 41-42, [43, 45-46], 47-48, [49], 50.

Industrie électro-chimique. M. Vol. 1-9. March 1897-October 1905. Par., 1897-1905.
No numbers published from February-December 1902, and July-December 1904.
No more published.
Continued as Revue de l'électro-chimie.
E. 1-9; **N.** 1-2, [3], 4-7, [8-9].

Industrie-blätter. W. Vol. 1-30. 1867-1893. Ber., 1864-1893.
No more published.
C. 4-30.

Industrie des tramways et chemins de fer. M. Vol. 1+ 1909+ Par., 1909+
E. [1-2], 3+; **N.** 3+

Industrie électrique. S-M. Vol. 1+ 1892+ Par., 1892+
N. 1+; **E.** 1-9, [10], 11+

Industrie textile. M. Vol. 1+ 1885+ Par., 1885+
N. 13+

Industrie-und gewerbe-blatt. Vol. 1-13. 1855-1867. Gratz, 1856-1867.
Continued under the title of Industrie-und handels-blatt.
N. 1-2, [3].

Industriebau monatsschrift für künstlerische und technische förderung. M. Vol. 1+ 1910+ Lpz., 1910+
N. 1-2.

Industries. W. Vol. 1-14. July 1886-June 1893. Lond., 1886-1893.
In June 1893 combined with Iron and continued as Industries and iron, retaining the volume number of Industries.
CE. 1-14; **E.** 1-14; **CC.** 1-10, 12-13.

Industries and iron. W. Vol. 15-28. June 1893-1900. Lond., 1893-1900.
Formed by the combination of Iron and Industries in June 1893.
Ceased publication in 1900.
E. [15], 18-27; **N.** 15, [18-20], 21-28; **CC.** [15-16], 25-27; **C.** 17-19.

Industry. M. No. 1-90. 1888-1896. San Francisco, 1888-1896.
From 1888-1891 title reads Journal "industry."
No more published.
E. 30-89; **N.** 42-90.

Ingegneria civile e l'arte industriale. 18 nos. Y. Vol. 1+ 1875+ Torino, 1875+
N. 27-30, [31].

Ingegneria ferroviaria. S-M. Vol. 1+ 1904+ Roma, 1904+
E. [4, 6-7], 8+

Ingener. M. Vol. 1+ 1881(?)+ Kieff, 1881(?)+
CE. [17-18], 19, [20-21], 22.

Ingenieria. S-M. Vol. 1+ 1897+ Buenos Aires, 1897+
CE. 1-4, [5, 7], 9-12, [13-14]; **E.** [9, 12], 13, [14], 15+

Ingeniero civil. S-M. Vol. 1. 1888-1889. Buenos Aires, 1888-1889.
Organo oficial de la Sociedad de Ingenieros Civiles de la República Argentina.
Society no longer in existence.
CE. 1.

Ingénieur. B-W. 1852-1856; New ser. Vol. 1-2, 1857-1858. Par., 1852-1858.
No more information available.
CE. 1854, New ser. 1-2; **N.** 1855-1856.

Ingenieur. S-M. Vol. 1+ 1907+ Ber., 1907+
E. [1], 2+; **C.** 4+

Ingenieur *See* Civilingenieur.

Ingenieur *See* Koninklijk Instituut van Ingenieurs. Ingenieur.

Ingenieur électricien. S-M. Vol. 1, 1886; Ser. 2, Vol. 1-7, 1888-1895. Par., 1886-1895.
No more information available.
E. 1.

Ingénieur universel. W. Vol. 1-6. 1878-1881. Manchester, Eng., 1878-1881.
Incorporated with Supplement to the Ironmonger.
CE. [1-4], 5, [6].

Ingeniøren *See* Dansk Ingeniørforening. Ingeniøren.

Ingeniörs-Föreningens i Stockholm.
Förhandlingar. B-M. Vol. 1+ 1866+ Stockholm, 1866+
CE. 11-25; **E.** 14-25; **N.** [25].

Institut. W. Vol. 1-44. 1833-1876. Par., 1833-1876.
No more published.
E. 3-6, [7].

Institut de France. Académie des Sciences. *See* Paris. Académie des Sciences.

Institut Electrotechnique Montefiore *See* Liége. Institut Electrotechnique Montefiore. Association des Ingénieurs Electriciens.

Institute of Brewing.
Journal. 7 nos. Y. Vol. 1-9, 1895-1903; New ser. Vol. 1+ 1904+ Lond., 1895+
Collective index, including the Transactions of the Laboratory Club, 1887-1890; the Transactions of the Institute of Brewing, 1890-1894; the Transactions of the North of England Institute of Technical Brewing, 1891-1894; the Transactions of the Yorkshire Institute of Brewing, 1893-1894; the Transactions of the Midland Counties' Institute of Brewing, 1894; the Journal of the Federated Institutes of Brewing, 1895-1903; and the Journal of the Institute of Brewing, 1904-1910. Lond., 1911.
CC. [1-2], 3-9, New ser. [1-2], 3+

Institute of Chemistry of Great Britain and Ireland.
Proceedings. 3 nos. Y. 1903+ Lond., 1903+
N. 1903+

Institute of Marine Engineers.
Transactions. M. Vol. 1+ 1889+ Stratford, 1889+
Index. Vol. 1-8 in Vol. 8.
CE. 1+; **E.** [20], 21+

Institute of Metals.
Journal. S-A. Vol. 1+ 1909+ Lond., 1909+
E. 1+; **C.** 1+

Institute of Radio Engineers.
Proceedings. Q. Vol. 1+ 1913+ N. Y., 1913+
Formed by the consolidation of the Wireless Institute and the Society of Wireless Telegraph Engineers in May 1912.
E. 1+

Institution of Automobile Engineers.
Proceedings. Y. Vol. 1+ 1906+ Lond., 1906+
Vol. 1-5 known as the Incorporated Institution of Automobile Engineers.
Index. Vol. 1-5. 1906-1910 in Vol. 5.
E. 1+

Institution of Civil Engineers.
Engineering Conference, 1907, Transactions. 2 Vols. Lond., 1907.
CE. 1-2.

Institution of Civil Engineers.
Minutes of proceedings. Q. Vol. 1+ 1837+ Lond., 1837+
General index. Vol. 1-30. 1837-1870. Lond., 1865-1871.
Name index. Vol. 1-58. 1837-1879. Lond., 1885.
Subject index. Vol. 1-58. 1837-1879. Lond., 1881.
Subject index. Vol. 59-118. 1879-1894. Lond., 1895.
Name index. Vol. 119-170. 1895-1907 and index to Transactions of Engineering Conference 1907. Lond., 1910.
Subject index. Vol. 119-170. 1894-1907. Lond., 1909.
CE. 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 59+

Institution of Civil Engineers.
Transactions. Irreg. Vol. 1-3. 1836-1842. Lond., 1836-1842.
No more published.
Index. Vol. 1-3. 1836-1842 in Vol. 3.
CE. 1-3; **C.** 1-3; **E.** 1-3; **N.** 1-3; **P.** 1-3.

Institution of Civil Engineers of Ireland.
Transactions. Y. Vol. 1+ 1844+ Dub., 1845+
General index. Vol. 1-9. 1845-1870. Dub., n.d.
Index of Transactions and catalogue of Library. 1845-1910. Dub., 1911.
CE. 1+; **E.** 1-6, 13-17, 19, 23-30, 32+

Institution of Electrical Engineers.
Journal. Irreg. Vol. 1+ 1872+ Lond., 1872+
Vol. 1-19 title reads Society of Telegraph Engineers.
Index. Vol. 1-10. 1872-1882. Lond., 1882.
Index. Vol. 11-20. 1882-1891. Lond., 1892.
Index. Vol. 21-30. 1892-1901. Lond., 1901.
Index. Vol. 31-47. 1901-1911. Lond., 1912.
C. 1+; **E.** 1+; **N.** 1+; **P.** 1+; **CE.** 33+

Institution of Engineers and Shipbuilders in Scotland.
Transactions. Y. Vol. 1+ 1857+ Glasgow, 1857+
Vol. 1-14 title reads Institution of Engineers in Scotland.
In 1865 (v. 9) the Scottish Shipbuilders' Association was incorporated with the Institution of Engineers in Scotland.
In 1871 was incorporated as the Institution of Engineers and Shipbuilders in Scotland.
CE. 1+; **N.** 1+; **E.** 2-7, 9+; **S.** 1-28, 30-36.

Institution of Engineers in Scotland *See* Institution of Engineers and Shipbuilders in Scotland.

Institution of Engineers of the River Plate.
Journal. Irreg. Vol. 1+ 1899+ Buenos Aires, 1899+
Only one number issued for Vol. 6.
CE. [1-5], 6; **E.** [1-3, 5], 6.

Institution of Gas Engineers.
Transactions. Y. 1st-39th, 1903+ 1863+ Westminster, 1864+
1st-18th (1863-1881) known as the British Association of Gas Managers and title reads Report of proceedings of the annual meeting. 19th-27th (1882-1890) known as the Gas Institute and title reads Transactions.
In November 1890 was incorporated and known as Incorporated Gas Institute 28th-39th (1890-1902).
In November 1902 the Incorporated Institution of Gas Engineers combined with the Incorporated Gas Institute and formed the Institution of Gas Engineers.
E. 13th-30th, 33rd-34th, 36th-37th, 1903+; **CE.** 1903+; **N.** 1903+; **CC.** 7th-15th, 1905; **C.** 15th-19th, 28th.

Institution of Heating and Ventilating Engineers.
Domestic engineering and the estate engineer. M. Vol. 1+ 1896+ Sydenham, 1896+
E. [28-30], 31-32, [33], 34+

Institution of Junior Engineers *See* Junior Institution of Engineers.

Institution of Mechanical Engineers.
Journal. 8 nos. Y. No. 1+ June 1914+ Lond., 1914+
Continuation of the Proceedings.
E. 1+

Institution of Mechanical Engineers.
Proceedings. Q. 1847-1914. Lond., 1847-1914.
Continued as the Journal.
General index. 1847-1873. Birmingham, 1877.
Index. 1874-1884. Lond., n.d.
Library catalog; subject index of Proceedings. 1847-1887. Lond., 1887.
General index. 1885-1900. Westminster, n.d.
General index. 1901-1910. Lond., 1912.
Brief subject index of papers published in the Proceedings. 1847-1910. n.p., n.d.
CE. 1847-1914; **C.** 1847-1914; **E.** 1847-1914; **N.** 1847-1914; **P.** 1847-1914; **S.** 1847-1887, 1907-1914.

Institution of Mining and Metallurgy.
Bulletin. M. No. 1+ 1904+ Lond., 1904+
E. 3-5, 7-17, 19, 27, 29-32, 34-54, 56+

Institution of Mining and Metallurgy.
Transactions. Y. Vol. 1+ 1892+ Lond., 1892+
General and personal index to Transactions. Vol. 1-13. 1892-1904. Lond., n.d.
Personal and general index. Vol. 1-15. 1892-1906. Lond., n.d.
CE. 1+; **C.** 1+; **E.** 1+; **N.** 1+

Institution of Mining Engineers.
Transactions. Irreg. Vol. 1+ 1889+ Newcastle-upon-Tyne, 1889+
Vol. 1-11 title reads Federated Institution of Mining Engineers.
In 1889 the Midland Counties Institution of Engineers, the Midland Institute of Mining, Civil, and Mechanical Engineers, the North of England Institute of Mining and Mechanical Engineers, the South Staffordshire and Warwickshire Institute of Mining Engineers were federated with the Institution of Mining Engineers.
In 1891 the North Staffordshire Institute of Mining and Mechanical Engineers was federated with the Institution of Mining Engineers.
In 1893 the Mining Institute of Scotland was federated with the Institution of Mining Engineers.
In 1904 the Manchester Geological and Mining Society was federated with the Institution of Mining Engineers.
Index. Vol. 1-10. 1889-1896. Newcastle-upon-Tyne, 1898.
Index. Vol. 1-30. 1889-1905. Newcastle-upon-Tyne, 1908.
Index. Vol. 31-40. 1906-1911. Lond., 1911.
E. 1+; **C.** 1-34, 36, 38-39, 40+; **CE.** 38+; **P.** [7].

Institution of Municipal and County Engineers.
Proceedings. Y. Vol. 1+ 1873+ Lond., 1875+
Vol. 1-16 (1873-1890) known as the Association of Municipal and Sanitary Engineers and Surveyors.
Vol. 17-35 (1890-1909) known as the Incorporated Association of Municipal and County Engineers.
Index. Vol. 1-10 in Vol. 10. Lond., 1884.
Index. Vol. 1-15 in Vol. 15. Lond., 1889.
General index. Vol. 1-20. Lond., n.d.
General index. Vol. 1-25. Lond., n.d.
Index. Vol. 1-30 in Vol. 30. Lond., 1904.
General index. Vol. 31-37. Lond., n.d.
N. 1+; **C.** [2], 3+; **E.** 1-5, 7-22, 24-30, 32+; **CE.** 1-2, 4-8, 10-22, 24+

Institution of Naval Architects.
Transactions. Y. Vol. 1+ 1860+ Lond., 1860+
Index. Vol. 1-21. Lond., 1881.
Index. Vol. 22-28. Lond., 1887.
Index. Vol. 29-35. Lond., 1895.
Index. Vol. 36-42. Lond., 1901.
Index. Vol. 1-46. 1860-1904. Lond., 1905.
Index. Vol. 47-54. 1905-1912. Lond., 1912.
C. 1+; **E.** 1+; **S.** 1+; **CE.** 36+

Institution of Petroleum Technologists.
Journal. Irreg. Vol. 1+ June 1914+ Lond., 1914+
E. 1+

Institution of Post Office Electrical Engineers.
Post Office electrical engineers' journal. Q. Vol. 1+ 1908+ Lond., 1908+
E. 1+

Institution of Surveyors *See* Surveyors' Institution.

Institution of Surveyors, New South Wales.
Surveyor. Vol. 1+ 1888+ Sydney, 1888+
From July 1888-December 1889 known as the Survey Club.
From 1890-June 1891 known as the New South Wales Association of Surveyors.
CE. 1+

Instituto de Ingenieros y Arquitectos de Valparaiso.
Revista de ingeniería y arquitectura. Irreg. Vol. 1+ November 1913+ Valparaiso, 1913+
E. 1+

Instituto de Injenieros de Chile.
Anales. M. Vol. 1-19, 1889-1901; Vol. 1+ 1901+ Santiago de Chile, 1889+
In 1901 Instituto de Injenieros united with Sociedad de Injeniería and formed Instituto de Injenieros de Chile.
Indices alfabéticos de autores i de materias. Vol. 1-10. Santiago de Chile, 1897.
Indice general de las materias. Vol. 1-18. Santiago de Chile, 1902.
CE. 1-19, 1-9; **N.** 1-12, 14-18; **E.** [2, 5], 13+

Instituto de Injenieros de Santiago de Chile *See* Instituto de Injenieros de Chile.

Instituto Geológico de México.
Bulletin. Irreg. No. 1+ 1895+ México, 1895+
E. 1+

Instituto Geológico de México.
Paregones. Irreg. Vol. 1+ 1902+ México, 1903+
E. 1+

Instituto Mexicano de Minas y Metalurgia *See* Mexican Institute of Mining and Metallurgy.

Insurance engineering *See* Safety engineering.

Internal combustion engineering *See* Automobile engineer.

International Acetylene Association.
Annual meeting. Y. 1st+ 1898+ Chic., 1898+
E. 13th+

International Association for the Prevention of Smoke.
Proceedings and addresses of annual convention. Y. 1st+ 1906+ Grand Rapids, Mich., 1906+
CE. 3rd; **E.** 3rd.

International Association of Fire Engineers.
Proceedings of the annual convention. Y. 1st+ 1873+ Roanoke, Va., 1873+
1st-23rd (1873-1895) known as the National Association of Fire Engineers.
E. 39th+; **N.** 30th, 33rd; **CE.** 33rd-34th.

International Association of Machinists.
Machinists' monthly journal. M. Vol. 1+ February 1889+ Wash., 1889+
Vol. 1-14 title reads Monthly journal.
N. [9], 10-23.

International Association of Municipal Electricians.
Proceedings of the annual convention. Y. 1st+ 1896+ v.p., 1896+
1st-4th (1896-1899) known as the National Association of Municipal Electricians.
N. 6th+; **E.** 5th-11th, 15th+; **CE.** 7th-15th.

International catalogue of scientific literature. A-R. Irreg. 1902+ Lond., 1902+
C. A-R, 1+; **E.** A-D, 1+; **S.** B-D, 1+; **CC.** D, 1+

International engineer. M. Vol. 1-2, no. 3. June 1907-February 1908. N. Y., 1907-1908.
No more published.
Combined with International steam engineer.
E. 1-2; **N.** 1-2.

International Institute of Technical Bibliography. Journal. Engineering abstracts. M. 1910-February 1913. Lond., 1910-1913.
Continuation of the Repertorium der technischen literatur and Fortschritte der technik. At the end of each year this Journal is cumulated in an index of seven subjects namely: Applied chemistry, Civil engineering, Electrical engineering, Mechanical engineering, Military engineering, Mining and metallurgy, Engineering supplement.
Issued also in German.
Ceased publication February 1913.
C. 1910-1913; **E.** 1910-1913; **N.** 1910-1913; **P.** 1910-1913; **S.** 1910.

International marine engineering. M. Vol. 1+ 1897+ N. Y., 1897+
Vol. 1-11 title reads Marine engineering.
E. 1+; **CE.** 14+; **S.** [11], 12-15.

International Railroad Master Blacksmiths' Association.
Report of the proceedings of the annual convention. Y. 1st+ 1893+ Lima, O., 1893+
E. 16th, 18th+; **N.** 13th.

International Railway Congress.
Bulletin. M. Vol. 1+ 1887+ Bruxelles, 1887+
Vol. 1-9 published in French.
General tables. 1896-1908. Bruxelles, 1909.
N. 1+; **CE.** 12+; **C.** 13+; **E.** 10-12, [21], 22+

International Railway Congress.
Proceedings. Q. Vol. 1+ 1901+ Brussels, 1901+
E. 1-5; **C.** 1.

International Railway Fuel Association.
Proceedings of the annual convention. Y. 1st+ 1909+ v.p., 1909+
CE. 1+; **E.** 1+; **N.** 1.

International Railway General Foremen's Association.
Report of proceedings of the annual convention. Y. 1st+ 1905+ Escanaba, Mich., 1905+
E. 8th+

International steam engineer. M. Vol. 1+ 1900+ N. Y., 1900+
Incorporated International engineer in 1908.
N. [4], 5-10, [11], 15+; **C.** 9-16, 19+; **E.** 9-11.

International sugar journal. M. Vol. 1-30, 1869-1898; New ser. Vol. 1+ 1899+ Manchester, 1869+
Vol. 1-30 (1869-1898) title reads Sugar cane.
CC. 4-30, New ser. 1+; **E.** New ser. [13], 14+

International Verein der Bohringenieure und Bohrtechniker.
Zeitschrift. S-M. Vol. 1+ 1894+ Wien, 1894+
Known as the Organ des Verein der Bohrtechniker until 1912.
Supplement of Allgemeine österreichische chemiker-und techniker-zeitung.
E. 1-11, [15-16], 17+; **CC.** 6.

Internationale zeitschrift für metallographie. Irreg. Vol. 1+ 1911+ Ber., 1911+
E. 1+

Internationaler anzeiger für brauereien, mälzereien und hopfenbau *See* Allgemeiner anzeiger für brauereien, mälzereien und hopfenbau.

Interstate Cotton Seed Crushers' Association.
Bulletin. M. No. 1-9(?). 1907-1908(?). Columbia, S. C., 1907-1908(?).
Ceased publication.
E. 5-6, 8-9.

Interurban railway journal *See* Electric traction.

Invention. M. Vol. 1-28. 1846-1873. Par., 1846-1873.
Vol. 1-4 title reads Brevet d'invention.
No more published.
E. 8-9, 12-21.

Invention. W. Vol. 1-26. 1885-1902. Lond., 1885-1902.
No more published.
N. [13-15].

Inventive age and patent index. M. Vol. 1+ 1889+ Washington, D. C., 1889+
N. [3], 5-6, [7], 8, [9, 11], 12-20.

Ion. Irreg. Vol. 1-2. 1909-1910. Lond., 1909-1910.
Vol. 1 in English; Vol. 2 in German.
No more published.
CC. 1-2.

Iowa Association of Cement Users.
Proceedings of the annual convention. Y. 1st+ 1905+ Ames, 1905+
CE. 7th+

Iowa Civil Engineers and Surveyors Society *See note* Iowa Engineering Society.

Iowa Electrical Association.
Proceedings of the annual convention. Y. 1st+ 1901+ Des Moines, 1901+
E. 8th, 11th+

Iowa engineer *See* Iowa State College of Agriculture and Mechanic Arts. Iowa engineer.

Iowa Engineering Society.
Proceedings of the annual meeting. Y. 1st+ 1889+ Iowa City, Iowa 1889+
In 1889 the Iowa Surveyors' and Civil Engineers' Association and the Iowa Civil Engineers and Surveyors Society combined and formed the Iowa Society of Civil Engineers and Surveyors. This title was retained until October 1898 when it changed to Iowa Engineering Society.
CE. 1st+; **N.** [1st], 2nd-4th, 6th+; **E.** 5th-11th, 13th-15th, 19th+

Iowa Railway Club.
Proceedings. 10 nos. Y. Vol. 1-9, no. 3. 1902-1909(?). Des Moines, Iowa, 1902-1905(?).
Discontinued.
E. [9].

Iowa Society of Civil Engineers and Surveyors *See note* Iowa Engineering Society.

Iowa State College of Agriculture and Mechanic Arts.
Iowa engineer. Q. Vol. 1+ June 1901+ Ames, Iowa, 1901+
Index. Vol. 1-4 in Vol. 5, no. 2.
N. 1+; **E.** [4, 6].

Iowa State College of Agriculture and Mechanic Arts. Engineering Experiment Station.
Bulletin. Irreg. No. 1-11; Vol. 2, no. 6; Vol. 3-4; No. 25+ 1888+ Ames, 1888+
E. [4], 25-32, 34, 36+; **N.** 1-10.

Iowa State University.
University extension bulletin. Irreg. No. 1+ April 1914+ Iowa City, 1914+
E. 1+

Iowa State University. College of Applied Science. Transit. Y. Vol. 1+ 1890+ Iowa City, Iowa, 1890+
From 1890-1899 published semi-annually.
From 1890-1909 published by the Engineering Society of the University of Iowa.
N. 1-2, [3-4], 5-8, 10+; **CE.** [1-4], 7, 11+; **E.** [1-4], 5, 7, 9, 11-15.

Iowa Street and Interurban Railway Association. Report of the annual convention. Y. 1st+ 1904+ Dubuque, Iowa, 1904+
E. 2-4, 8+; **CE.** 2-8.

Iowa Surveyors' and Civil Engineers' Association. Proceedings at the annual meeting. 4th. 1887. Glenwood, 1887.
Organized in February 1885.
No more published.
In 1889 combined with the Iowa Civil Engineers and Surveyors Society and formed the Iowa Society of Civil Engineers and Surveyors, which later became the Iowa Engineering Society.
CE. 4th.

Iron. W. Vol. 1-41. 1873-1893. Lond., 1873-1893.
Forms a new series of the Mechanics' magazine.
In June 1893 combined with Industries and continued as Industries and iron, retaining the volume number of Industries.
CE. 1-41; **E.** 1-41; **C.** 1-34; **S.** 1-2.

Iron age. W. Vol. 1+ 1855+ N. Y., 1855+
N. 3, [13-15, 31, 34, 36], 37+; **C.** 5-9, 11+; **CE.** 11+; **S.** [12-16], 17, [18-20], 21, [22-23], 24-26, [37-38], 39-40, 43, [53-57], 58, [59-61], 62, [63-64], 65+; **E.** 24+; **P.** 45+; **CC.** [68], 69+

Iron and coal trades review. W. Vol. 1+ 1866+ Lond., 1866+
In 1894 the Bulletin of the British Iron Trade Association was incorporated with Iron and coal trades review.
CE. 16-18, 56+; **E.** 29-46, 49+; **N.** 55+; **CC.** 62+; **C.** 75-79, 81+

Iron and machinery world. W. Vol. 92, no. 24-Vol. 100, no. 4. 1902-1906. Chic., 1902-1906.
Formed by the consolidation of Age of steel and Iron and steel in December 1902. The volume number of Age of steel is retained.
Consolidated with Iron trade review in August 1906.
N. 92-100; **E.** 92-96.

Iron and steel. W. Vol. 1-81, no. 23. 1862-1902. Chic., 1862-1902.
From 1862-April 1898 (Vol. 1-72, no. 14) title reads Chicago journal of commerce.
In December 1902 combined with Age of steel and formed Iron and machinery world.
N. [43, 51, 56-59], 61-62, [63-65], 66, [67-69], 70-71, [72]; **E.** 44-59, 61-71, 74-80.

Iron and Steel Institute.
Carnegie Scholarship Memoirs. Y. Vol. 1+ 1909+ Lond., 1909+
Index. Vol. 1-2. 1909-1910 in Journal subject and name index. Vol. 59-82. Lond., 1911.
CE. 1+; **CC.** 1+; **E.** 1+; **N.** 1+

Iron and Steel Institute.
Journal. S-A. Vol. 1+ 1869+ Lond., 1869+
Vol. 1-2 title reads Transactions.
Vol. 65 has Supplement. Lond., 1904.
Special volume of "Proceedings," the title being: Iron and Steel Institute in America in 1890. London, n.d.
General index to Proceedings. 1869-1881. Lond., 1883.
Subject-matter index to Proceedings. 1882-1889. Lond., 1891.
Brief index of the papers contained in the Journal. 1869-1894. Lond., 1895.
Name index. Vol. 1-50. 1869-1896. Lond., 1898.
General index, together with a history of the development of the Iron and Steel Institute. Vol. 36-58. 1890-1900. Lond., 1902.
Subject and name index. Vol. 59-82. 1901-1910, and to the Carnegie Scholarship Memoirs, Vol. 1-2, together with a historical note on the development of the Institute. Lond., 1911.
C. 1+; **E.** 1+; **P.** 1+; **CE.** 1, 5+; **CC.** 48+; **S.** 3, 10.

Iron and steel magazine. M. Vol. 1-11. 1898-1906. Bost., 1898-1906.
Vol. 1-6 title reads Metallographist.
Vol. 7 title reads Iron and steel metallurgist.
In June 1906 incorporated with Electrochemical and metallurgical industry, which later became Metallurgical and chemical engineering.
CE. 1-11; **C.** 1-11; **E.** 1-11; **S.** 1-11; **CC.** 7-11.

Iron and steel times. W. Vol. 1+ 1909+ Lond., 1909+
E. [1].

Iron & steel trades journal. W. Vol. 1+ 1847+ Lond., 1847+
E. 42-72, [73], 74-79, [80], 81-82, [83], 84-88, [89], 90+; **N.** 61+

Iron city trades journal. Vol. 1-2. 1908-1909. Lond., 1908-1909.
No more information available.
C. [1], 2.

Iron production and utilization. M. Vol. 1-15, no. 4. 1878(?)-1890(?). Phil., 1878(?)-1890(?).
No more information available.
CE. 11, [12], 13-15.

Iron trade review. W. Vol. 1+ 1867+ Cleveland, O., 1867+
In March 1898 Industrial world and iron worker was incorporated with Iron trade review.
In August 1906 Iron and machinery world consolidated with Iron trade review.
In 1914 Second hand machinery consolidated with Iron trade review.
E. 28-33, [34], 35+; **N.** 30+; **CC.** 33-42, 44+; **C.** 39-46, 51+; **S.** 40-46, [47].

Ironmonger. W. Vol. 1+ 1859+ Lond., 1859+
CE. [20-21], 22-23, [24, 47], 48-54, [55], 56-57, [58-61], 63, [64], 65-69, [70], 71, [72], 73-80, [81], 82-86, [87], 88-90, [91-94], 95, [96-97], 98-103, [104-105]; **N.** [22, 47-54, 59, 63-77], 78-81, 83-88, [98, 104]; **E.** 26-33, 35-40, [1890], 1891-1899, 90-93, [94-95], 96-99, [100-101, 107-108], 109-113, [114], 115+

Irrigation age. M. Vol. 1+ 1891+ Chic., 1891+
CE. [1-8].

Isolated plant. M. Vol. 1+ 1908+ N. Y., 1908+
E. 1+

Jahrbuch der chemie. Y. Vol. 1+ 1891+ Brns., 1891+
General register. Vol. 1-10. 1891-1900. Brns., 1903.
CC. 1+; **C.** 1+; **N.** 1+; **S.** 1+; **E.** 1-9, 11-12, 15.

Jahrbuch der chemie und physik *See* Journal für chemie und physik.

Jahrbuch der drahtlosen telegraphie und telephonie. B-M. Vol. 1+ 1907+ Lpz., 1907+
E. 1+

Jahrbuch der elektrochemie. Y. Vol. 1+ 1894+ Halle a. S., 1895+
CC. 1+; **C.** 1+; **E.** 1+; **N.** 1-14.

Jahrbuch der elektrotechnik. Y. Vol. 1+ 1912+ Ber., 1913+
E. 1+

Jahrbuch der organischen chemie. Y. Vol. 1-3. 1893-1895. Lpz., 1895-1898.
CC. 1-3; **N.** 1-3.

Jahrbuch der organischen chemie. Y. Vol. 1+ 1907+ Stut., 1908+
N. 1+; **CC.** 1-3.

Jahrbuch der praktischen pharmacie *See* Jahrbuch für pharmacie.

Jahrbuch der radioaktivität und elektronik. Y. Vol. 1+ 1904+ Lpz., 1904+
C. 1+; **N.** 1+; **E.** 1+

Jahrbuch für das berg- und hüttenwesen in königreich Sachsen. Y. 1827+ Freiberg, 1827+
Years 1827-1851 title reads Kalender für den sächsischen berg- und hüttenmann.
Years 1852-1872 title reads Jahrbuch für den berg- und hüttenmann.
Alphabetisches sachregister. 1827-1840. Dresden, 1840-1841.
Alphabetisches sachregister. 1841-1896 in Vol. for 1896. Freiberg, n. d.
C. 1827+; **E.** 1866-1868, 1876, 1878+; **N.** 1884, 1897-1898, 1900+; **CC.** 1873.

Jahrbuch für das eisenhüttenwesen *See* Stahl und eisen. Ergänzung. Jahrbuch für das eisenhüttenwesen.

Jahrbuch für den berg- und hüttenmann *See* Jahrbuch für das berg- und hüttenwesen in königreich Sachsen.

Jahrbuch für elektrotechnik. Y. Vol. 1-2. 1887-1889. Halle a. S., 1888-1890.
No more published.
CC. 1-2.

Jahrbuch für mineralogie, geognosie, geologie und petrefaktenkunde. Vol. 1-3. 1830-1832. Heidelburg, 1830-1832.
Continuation of Zeitschrift für mineralogie.
Continued as Neues jahrbuch für mineralogie.
N. 1-3.

Jahrbuch für pharmacie. Y. Vol. 1-25, 1838-1853; Vol. 1-42, 1854-1874. Heidelberg, 1838-1874.
From 1838-1853 title reads Jahrbuch der praktischen pharmacie.
No more published.
CC. 13 (1860).

Jahresbericht über die fortschritte auf dem gebiete der reinen chemie. Y. Vol. 1-9. 1873-1881. Tübingen, 1874-1883.
No more published.
CC. 1-9; **S.** 1.

Jahresbericht über die fortschritte auf dem gesamtgebiete der agricultur-chemie. Y. Vol. 1-20, 1858-1877; New ser. Vol. 1+ 1880+ Ber., 1858+
From 1874 the annual volumes are divided into 3 separate parts namely: (1) Jahresbericht über die fortschritte der chemie des bodens, (2) Jahresbericht über die fortschritte der chemie der pflanze, (3) Jahresbericht über die fortschritte der chemie der thiernährung.
General register. Vol. 1-20. 1858-1877. Ber., 1879.
General register. Vol. 21-40. 1878-1897. Ber., 1908.
C. 1-20, New ser. 1+; **CC.** 1-20, New ser. 1-29, 32.

Jahresbericht über die fortschritte der chemie und mineralogie. Y. Vol. 1-30. 1821-1851. Tübingen, 1822-1851.
Vol. 1-20 (1821-1841) title reads Jahresbericht über die fortschritte der physischen wissenschaften.
No more published.
Register. Vol. 1-17. 1821-1837. Tübingen, 1839.
Register. Vol. 1-25. 1821-1845. Tübingen, 1847.
N. 1-30.

Jahresbericht über die fortschritte der chemie und verwandter theile anderer wissenschaften. Y. 1847+ Giessen, 1847+
Vol. 1-9 (1847-1856) title reads Jahresbericht uber die fortschritte der reinen, pharmaceutischen und technischen chemie, physik, mineralogie und geologie.
Register. 1847-1856. Giessen, 1857.
Register. 1857-1866. Giessen, 1868.
Register. 1867-1876. Giessen, 1880.
General register. 1877-1886. Brns., 1889.
General register. 1887-1896. Brns., 1904.
General register. 1897-1904. Brns., 1910.
CC. 1847+; **N.** 1847+; **S.** 1867-1872, 1874-1880, 1882.

Jahresbericht über die fortschritte der physischen wissenschaften *See* Jahresbericht über die fortschritte der chemie und mineralogie.

Jahresbericht über die fortschritte der reinen, pharmaceutischen und technischen chemie, physik, mineralogie und geologie *See* Jahresbericht über die fortschritte der chemie und verwandter theile anderer wissenschaften.

Jahresbericht über die fortschritte der thierchemie. Y. Vol. 1+ 1871+ Wiesbaden, 1873+
Register. Vol. 1-10. 1871-1880. Wiesbaden, 1881.
Register. Vol. 11-20. 1881-1890. Wiesbaden, 1892.
Register. Vol. 21-30. 1891-1900. Wiesbaden, 1903.
C. 1+; **N.** 1+; **CC.** 1-38.

Jahres-bericht über die leistungen der chemischen technologie. Y. Vol. 1-15, 1855-1869; New ser. Vol. 1+ 1870+ Lpz., 1856+
Vol. 1-4 title reads Jahres-bericht über die fortschritte der chemischen technologie.
Vol. 5-10 title reads Jahresbericht über die fortschritte und leistungen der chemischen technologie.
In 1870 a new series was formed. The numbering of both series continues to date.
Vol. 26-28 title reads Rudolf von Wagner's Jahres-bericht, etc. fortgesetzt von F. Fischer.
Vol. 29-56 fortgesetzt von F. Fischer.
Vol. 57+ bearbeitet von P. F. Schmidt.
General-register. Vol. 1-10. Lpz., 1866.
General-register. Vol. 11-20. Lpz., 1876.
General-register. Vol. 21-30. Lpz., 1889.
General-register. Vol. 31-40. Lpz., 1898.
General-register. Vol. 41-50. Lpz., 1908.
E. 1-15, New ser. 1+; **N.** 1-15, New ser. 1+; **S.** 1-15, New ser. 1+; **CC.** 1-15, New ser. 1-57; **C.** 1-15, New ser. 1-49, [50], 51+

Jern-kontorets annaler. Q. Vol. 1-29, 1817-1845; New ser. Vol. 1+ 1846+ Stockholm, 1817+
Register. Vol. 1-New ser. Vol. 50. 1817-1895. 7 Vols. Stockholm, 1817-1897.
Register. 1896-1900. Stockholm, 1902.
E. 1, 3, 5-12, 14-15, 18, 21-29, New ser. [1], 2, 4, [12-13], 16-27, [28-31], 32-53, [54], 55-62, [63], 64+; **N.** New ser. 58+

Jern-kontorets annaler.
Bihang. Irreg. 1828+ Stockholm, 1829+
Published for 1828, 1837, 1868 and 1900+
E. 1828, 1837, 1868, 1900+; **N.** 1906+

Journal de chimie physique. Irreg. Vol. 1+ 1903+ Genève, 1903+
CC. 1+; **N.** 1+; **E.** 1, 3+

Journal de la marine, le yacht. W. Vol. 1+ 1878+ Par., 1878+
Vol. 1-9 title reads Journal de la navigation de plaisance.
E. [31], 32, [33-34], 36+

Journal de la navigation de plaisance *See* Journal de la marine, le yacht.

Journal de l'éclairage au gaz. S-M. Vol. 1+ 1852+ Par., 1852+
CC. 50-56.

Journal de l'electrolyse et du four electrique *See* Journal du four electrique et de l'electrolyse.

Journal de physique théorique et appliquée. Vol. 1-10, 1872-1881; Ser. 2, Vol. 1-10, 1882-1891; Ser. 3, Vol. 1-10, 1892-1901; Ser. 4, Vol. 1-10, 1902-1911; Ser. 5, Vol. 1+ 1912+ Par., 1872+
Table analytique et table par noms d'auteurs. Ser. 1-3. 1872-1901. Par., 1902.
C. Ser. 1+; **E.** Ser. 1+; **N.** Ser. 1+; **S.** Ser. 1-2, Ser. 3, 1-7, [8], 9-10, Ser. 4, [1], 2+

Journal der physik. M. Vol. 1-8, 1790-1794; New ser. Vol. 1-4, 1795-1797. Edited by F. A. C. Gren. Lpz., 1790-1797.
New series title reads Neues journal der physik.
Vol. 1-3 published in Halle.
Continued as Annalen der physik.
E. 1-8, New ser. 1-4; **N.** 1-8, New ser. 1-4.

Journal des mines *See* Annales des mines.

Journal des sçavans. Irreg. Vol. 1-170, 1665-1753; Vol. 1-79, 1754-1763; Vol. 1-84, 1764-1775; Vol. 1-45, 1776-1782. Amsterdam, 1685-1782.
Table des matières. 1665-1770. 10 Vols. Par., 1753-1764.
N. 1-169, 1-44, 57-78, 1-84, 1-7, [8]; **E.** 1-86.

Journal des télégraphes. M. Vol. 1-5. 1865-1870. Par., 1865-1870.
No more published.
E. [3-5].

Journal des usines à gaz. S-M. Vol. 1+ 1877+ Par., 1877+
Organ of the Société Technique de l'Industrie du Gaz en France.
N. 10-22, 25-35; **E.** 34+; **CC.** 26-36.

Journal du four électrique et de l'électrolyse. S-M. Vol. 1+ 1895+ Par., 1895+
Vol. 1-4 (1896-1898) title reads l'Aluminium l'or, et l'argent.
Vol. 4-5 (1898-1899) title reads l'Aluminium, l'acétylene, l'or, et l'argent.
Vol. 13-17 (1904-1907) title reads Journal de l'électrolyse et du four électrique.
N. [2], 3-4, 8+; **E.** [13], 14+

Journal du gaz et de l'électricité. S-M. Vol. 1-22. 1881-1902. Par., 1881-1902.
No more published.
N. 17-22.

Journal du génie civil des sciences et des arts à l'usage des ingénieurs, constructeurs de vaisseaux, des ponts-et-chaussées. vol. 1-16. 1828-1848. Par., 1828-1848.
N. 1-16.

Journal du pétrole. S-M. Vol. 1+ 1901+ Par., 1901+
E. 14+

Journal für chemie und physik. Ser. 1, Vol. 1-30, 1811-1820; Ser. 2, Vol. 31-60, 1821-1830; Ser. 3, Vol. 61-69, 1831-1833. Nürnberg, 1811-1833.
Ser. 1 title reads Beiträge zur chemie und physik.
Ser. 2 title reads Jahrbuch der chemie und physik.
Ser. 3 title reads Neues jahrbuch der chemie und physik.
In 1834 combined with Journal für technische und oekonomische chemie and formed Journal für praktische chemie.
N. 1-69; **C.** 1-60.

Journal für die baukunst. Irreg. Vol. 1-30. 1829-1851. Ber., 1829-1851.
No more information available.
CE. 29-30.

Journal für die chemie, physik und mineralogie *See* Allgemeines journal der chemie.

Journal für gasbeleuchtung. M. Vol. 1+ 1858+ Mün., 1858+
Also known as Schillings Journal für gasbeleuchtung.
Organ des Deutschen Vereins von Gas-und Wasserfachmännern.
General-register. Vol. 1-16. 1858-1873. Mün., 1875.
General-register. Vol. 17-31. 1874-1888. Mün., 1889.
General-register. Vol. 32-46. 1889-1903. Mün., 1905.
CC. 1-3, 5+; **N.** 40+; **E.** [48-51], 52+; **CE.** 40, [41]; **S.** 53, [54].

Journal für internationales berg-und hüttenwesen und verwandte industrien *See* German Institute of Mining and Metallurgy. International mining journal.

Journal für praktische chemie. S-M. Vol. 1-108, 1834-1869; New ser. Vol. 1+ 1870+ Lpz., 1834+
Formed by the consolidation of Journal für technische und oekonomische chemie and Journal für chemie und physik.
Sach- und namen-register. Vol. 1-30. 1834-1844. Lpz., 1844.
Sach- und namen-register. Vol. 31-60. 1845-1854. Lpz., 1854.
Sach- und namen-register. Vol. 61-90. 1855-1863. Lpz., 1865.
Sach- und namen-register. Vol. 91-108. 1864-1869. Lpz., 1871.
General-register. New ser. Vol. 1-50. 1870-1894. Lpz., 1895.
N. 1-108, New ser. 1+; **CC.** 1-108, New ser. 1+; **C.** 1-108, New ser. 1-4, 6+; **S.** 1-108, New ser. 1-76.

Journal für technische und okonomische chemie. Vol. 1-18. 1828-1833. Lpz., 1828-1833.
In 1834 combined with Journal für chemie und physik and formed Journal für praktische chemie.
N. 1-18.

Journal "industry" *See* Industry.

Journal of accountancy. M. Vol. 1+ 1905+ N. Y., 1905+
C. 3+

Journal of analytical and applied chemistry. Vol. 1-7. 1887-1893. Easton, Pa., 1887-1893.
Vol. 1-4 title reads Journal of analytical chemistry.
In 1894 incorporated with the Journal of the American Chemical Society.
CC. 1-7; **S.** 1-7.

Journal of applied chemistry. M. Vol. 1-10, pt. 5. 1866-1875. N. Y., 1866-1875.
No more published.
C. [3], 4-10; **CC.** 4-6, [7], 8, [9].

Journal of applied science. M. Vol. 1-12. 1870-1882. Lond., 1870-1882.
No more information available.
CC. [1], 2, [3-7], 8-9, [10].

Journal of commerce *See* Age of steel.

Journal of electricity, power and gas. W. Vol. 1+ 1895+ San Francisco, 1895+
Vol. 1, nos. 1-2 title reads Electrical journal.
Vol. 1, no. 3-Vol. 7 (1895-1906) title reads Journal of electricity.
In 1906 (Vol. 16) incorporated the Engineers', architects' and builders' news.
E. 1+; **N.** [5-13, 17-18], 19, [20-21], 22-23, [24-27], 28+; **CC.** 14-27, [28-30], 31+; **CE.** 17-19, [20].

Journal of engineering *See* Colorado University. Associated Engineering Societies. Journal of engineering.

Journal of gas lighting, water supply and sanitary improvement. W. Vol. 1+ 1849+ Lond., 1849+
Vol. 1-4 title reads Journal of gas lighting.
N. 1+; **C.** 1-116, 118+; **CC.** 1-60, 62+; **CE.** 39+; **E.** 23-50, [51-52], 53-55, [56], 58-61, 64-92, [93], 94-95, [96], 97-98, 109+

Journal of geology. S-Q. Vol. 1+ 1893+ Chic., 1893+
E. 1+; **N.** 1+; **C.** 1-18, 20+

Journal of industrial and engineering chemistry *See* American Chemical Society. Journal of industrial and engineering chemistry.

Journal of industrial safety. M. Vol. 1-2, no. 3. 1911-1912. N. Y., 1911-1912.
No more published.
E. 1-2; **S.** 1-2.

Journal of natural philosophy, chemistry, and the arts. M. Ser. 1, Vol. 1-5, 1797-1801; Ser. 2, Vol. 1-36, 1802-1813. Lond., 1797-1813.
United with Philosophical magazine in 1814.
E. Ser. 1, 1-5, Ser. 2, 1-36.

Journal of physical chemistry. M. Vol. 1+ 1896+ N. Y., 1896+
CC. 1+; **N.** 1+; **E.** 6+

Journal of railroad car heating, lighting and ventilating *See* Railroad car journal.

Journal of railway appliances and railway price. S-M. Vol. 1-21. 1881-1901. N. Y., 1881-1901.
Vol. 1-15 (1881-1895) title reads American journal of railway appliances.
In November 1901 united with Railway edition of Machinery and became Railway machinery and published under that title until October 1910.
N. 1-11, [12-14], 16-21; **E.** 1-7, 11.

Journal of science and annals of astronomy, biology, geology, industrial arts, manufactures, and technology. M. Vol. 1-22. 1864-1885. Lond., 1866-1885.
Vol. 1-7 (1864-1870) title reads Quarterly journal of science.
Vol. 8-15 (1871-1878) title reads Quarterly journal of science and annals of mining, metallurgy, engineering, industrial arts, manufactures and technology.
Vol. 16, nos. 2-12 (1879) title reads Monthly journal of science.
No more published.
S. 1-22.

Journal of the Franklin Institute *See* Franklin Institute. Journal.

Journal of the telegraph. S-M. Vol. 1+ December 1867+ N. Y., 1867+
In 1877 incorporated the Telegrapher.
N. [1-5], 6-7, 9-10, [26, 29], 30+; **E.** 1-23; **C.** 17-39, 42+

Journal of the United States artillery. Q. Vol. 1+ 1892+ Fort Monroe, Va., 1892+
Supplement: Index to current military literature, issued quarterly but cumulated at end of each volume.
Index of authors. Vol. 1-20. 1892-1903. Fort Monroe, 1903.
CC. 1+; **CE.** 1+; **C.** 1+; **E.** 1+; **N.** [1-5], 6+; **S.** 30+

Journal télégraphique. M. Vol. 1+ 1869+ Berne, 1869+
E. 1-11, 25+; **N.** 1-20, [25], 26-27, [28-30], 31, [32].

Junior Engineering and Scientific Society *See* Junior Institution of Engineers.

Junior Engineering Society *See* Junior Institution of Engineers.

Junior Institution of Engineers.
Journal and record of transactions. Y. Vol. 1+ 1884+ Lond., 1884+
From June to September 1884 the Society was called Vulcanic Society.
From September 1884-June 1885 the Society was called the Lambeth Junior Scientific Society.
From June 1885-June 1886 the Society was called the Junior Engineering and Scientific Society.
From June 1886-October 1894 the Society was called Junior Engineering Society, and the title reads Record of transactions.
From October 1894-December 1902 the Society was called Institution of Junior Engineers and title reads Record of transactions.
Index to papers, transactions. June 1884-September 1911 in Vol. 21. Lond., 1911.
E. 1+; **CE.** 2-20, 22+; **N.** 1-13, [14-15], 16-17, 21+

Kaiserlich Königliches Polytechnisches Institut in Wien.
Jahrbücher. Y. Vol. 1-20. 1819-1839. Wien, 1819-1839.
A five year index is found in volumes 5, 10, 15 and 20.
N. 1-20.

Kaiserlich-Königliche Geologische Reichsanstalt in Wien.
Abhandlungen. Irreg. Vol. 1+ 1852+ Wien, 1852+
N. 1-2, 4-5, [6], 7-12, 14, [15].

Kaiserlich-Königliche Geologische Reichsanstalt in Wien.
Jahrbuch. Y. Vol. 1+ 1850+ Wien, 1850+
General-register des Jahrbuches, Vol. 1-10, 1850-1859. Wien, 1863.
General-register des Jahrbuches, Vol. 11-20, und der Verhandlungen, 1860-1870. Wien, 1872.
General-register des Jahrbuches, Vol. 21-30, und der Verhandlungen, 1871-1880. Wien, 1881.
General-register des Jahrbuches, Vol. 31-40, und der Verhandlungen, 1881-1890. Wien, 1894.
General-register des Jahrbuches, Vol. 41-50, und der Verhandlungen, 1891-1900. Wien, 1905.
N. 1+; **E.** 1-10, 12-23, [24], 26, 29+; **CC.** 27-28, 33-36, [37].

Kaiserlich-Königliche Geologische Reichsanstalt in Wien.
Verhandlungen. Irreg. 1858+ Wien, 1858+
Years 1858-1866 published with the Jahrbuch.
General-register des Jahrbuches, Vol. 11-20, und der Verhandlungen, 1860-1870. Wien, 1872.
General-register des Jahrbuches, Vol. 21-30, und der Verhandlungen, 1871-1880. Wien, 1881.
General-register des Jahrbuches, Vol. 31-40, und der Verhandlungen, 1881-1890. Wien, 1894.
General-register des Jahrbuches, Vol. 41-50, und der Verhandlungen, 1891-1900. Wien, 1905.
E. 1858-1859, 1861-1867, 1876, 1880, 1884+; **N.** 1865, 1867-1870, [1872], 1873, 1875-1890, [1900-1902]; **CC.** 1876-1881, [1882], 1883-1886, [1888].

Kaiserlich-Königliches Technisches Versuchsamt.
Mitteilungen. Q. Vol. 1+ 1912+ Wien, 1912+
E. 1+

Kaiserlich-Königliches Technologisches Gewerbe-Museum in Wien.
Mitteilungen.
Section für farberei, druckerei, bleicherei und appretur. Irreg. Ser. 2, no. 1-4. 1885. Wien, 1885.
N. [1], 2, [3].
Section für chemische gewerbe. Irreg. New ser. Vol. 1-4. 1887-1890. Wien, 1887-1890.
N. 1, [2], 3-4.
Section für holz-industrie. Irreg. Vol. 1-11. 1880-1890. Wien, 1880-1890.
N. [1-4], 5-11.
Section für metall-industrie und elektrotechnik. Irreg. Vol. 1-6. 1885-1890. Wien, 1885-1890.
N. 1, [2-3], 4-6.
In 1891 the above sections combined and formed a new series of the Mitteilungen.
Mitteilungen. Irreg. New ser. Vol. 1-21. 1891-1911. Wien, 1891-1911.
Ceased publication in December 1911. Continued by the Kaiserlich-Königliches Technisches Versuchsamt in Wien.
N. 1-21; **E.** 14-16, 18-21.

Kaiserliche Akademie der Wissenschaften, Vienna *See* Vienna. Kaiserliche Akademie der Wissenschaften.

Kalender für den sächsischen berg- und hüttenmann *See* Jahrbuch für das berg- und hüttenwesen in königreich Sachsen.

Kali. S-M. Vol. 1+ 1908+ Halle a.S., 1908+
E. [3], 4+

Kansas Engineering Society.
Transactions. Y. 1912+ n.p., n.d.
E. 1912+

Kansas Gas, Water, Electric Light and Street Railway Association.
Proceedings of the annual meeting. Y. 1st+ 1898+ v.p., 1898+
E. 3, 5-12, 14+; **N.** 8+

Kansas Irrigation Association.
Proceedings, annual convention. Y. 1893(?)+ Topeka, 1893(?)+
CE. 1893-1894.

Kansas University.
Engineering bulletin. Irreg. No. 1+ 1909+ Lawrence, 1909+
E. 1-2.

Kansas University.
Quarterly. Q. Vol. 1+ 1892-1902. Lawrence, 1892-1902.
Continued as the Science bulletin.
CE. 1-10.

Kansas University.
Science bulletin. Irreg. Vol. 1+ 1902+ Lawrence, 1902+
Continuation of the Quarterly.
CE. 1+

Kansas University. Engineering Experiment Station.
Engineering bulletin. Irreg. No. 1+ 1912+ Lawrence, Kan., 1912+
E. 2, 11, 13; **N.** 1.

Karlsruhe. Technische Hochschule. Elektrotechnisches Institut.
Arbeiten aus dem Elektrotechnischen Institut der Grossherzoglichen Technischen Hochschule Fridericiana zu Karlsruhe. Bien. Vol. 1+ 1908+ Ber., 1909+
E. 1+; **N.** 1+

Keramisches jahrbuch. Y. Vol. 1+ 1909+ Ber., 1909+
N. 1-2.

Kerpely's Bericht über die fortschritte der eisenhüttentechnik *See* Bericht über die fortschritte der eisenhüttentechnik.

Knight's penny magazine *See* Penny magazine of the Society for the Diffusion of useful knowledge.

Knowledge. M. Vol. 1-26, 1881-1903; New ser. Vol. 1+ 1904+ Lond., 1881+
In February 1904 the Illustrated scientific news combined with Knowledge and formed a new series.
N. 1-26, New ser. 1+; **P.** 1-26, New ser. 1+; **E.** 1-5, New ser. 6+

Königlich Preussische Geologische Landesanstalt und Bergakademie zu Berlin.
Jahrbuch. Y. Vol. 1+ 1880+ Ber., 1881+
Register. Vol. 1-20. 1880-1899. Ber., 1910.
E. 1+; **N.** 17-26.

Königliche technische versuchsanstalt *See* Königliches Materialprüfungsamt zu Gross-Lichterfelde West. Mitteilungen.

Königliches Materialprufüngsamt zu Gross-Lichterfelde West.
Mitteilungen. Irreg. Vol. 1+ 1883+ Ber., 1883+
Vol. 1-21 title reads Königliche technische versuchsanstalt zu Berlin.
Ergänzungshefte. 1887. Ber., 1887.
E. 1+; **N.** 3-9, 15+; **CC.** 26+

Közmunka. W. Vol. 1+ 1909+ Budapest, 1909+
E. [6], 7+

Kolloid chemische beihefte *See* Kolloidzeitschrift. Beilage. Kolloid chemische beihefte.

Kolloid-zeitschrift. M. Vol. 1+ July 1906+ Dresden, 1906+
Vol. 1-12 (July 1906-June 1913) title reads Zeitschrift für chemie und industrie der kolloide.
Beilage. Kolloid chemische beihefte.
CC. 1+; **C.** 1+; **E.** 1+; **N.** 3+

Kolloid-zeitschrift.
Beilage. Kolloid chemische beihefte. Irreg. Vol. 1+ 1909+ Dresden, 1909+
CC. 1, 4+; **E.** 3+

Koninklijke Akademie van Wetenschappen *See* Amsterdam. Koninklijke Akademie van Wetenschappen.

Koninklijk Instituut van Ingenieurs.
Algemeen verslag van de werkzaamheden en notulen der vergaderingen. Irreg. 1847-1869. s'Gravenhage, 1848-1869.
Continued as a part of the Tijdschrift.
C. 1847-1869; N. 1847-1869.

Koninklijk Instituut van Ingenieurs.
Ingenieur. W. Vol. 1+ 1886+ s'Gravenhage, 1886+
CE. 15+; E. [18], 19-20, [21-22, 24], 25+

Koninklijk Instituut van Ingenieurs.
Jaarboekje. Y. 1852+ s'Gravenhage, 1852+
E. 1913+

Koninklijk Instituut van Ingenieurs.
Tijdschrift. Irreg. 1869+ s'Gravenhage, 1869+
Published in two sections: 1, Algemeen verslag van de werkzaamheden en notulen der vergaderingen 2, Verhandelingen. From 1847-1869 these two publications were published separately, but since 1869 form two sections under the title of Tijdschrift.
Register. 1847-1869. s'Gravenhage, 1875.
Register. 1869-1884. s'Gravenhage, 1884.
Register. 1884-1889. s'Gravenhage, 1890.
Register. 1889-1894. s'Gravenhage, 1895.
Register. 1894-1900. s'Gravenhage, 1901.
Register. 1900-1910. s'Gravenhage, 1913.
CE. 1869+; N. 1869+; E. 1903-1906, 1907+; C. 1869-1886.

Koninklijk Instituut van Ingenieurs.
Uittreksels uit vreemde tijdschriften. 1848-1869. s'Gravenhage, 1848-1869.
N. 1848-1869.

Koninklijk Instituut van Ingenieurs.
Verhandelingen. Irreg. Vol. 1-7, 1848-1851; New ser. 1851-1869. s'Gravenhage, 1848-1869.
Continued as a part of the Tijdschrift.
C. 1-7, New ser. 1851-1869; N. 1-7, New ser. 1851-1869.

Kraft und betrieb. M. Vol. 1+ 1912+ Ber., 1912+
E. 3+

Kritische zeitschrift für chemie, physik und mathematik *See* Zeitschrift für chemie.

Kunststoffe. S-M. Vol. 1+ 1911+ Mün., 1911+
CC. 1+; C. 1+; E. 1+

Kyoto Imperial University. College of Science and Engineering.
Memoirs. Irreg. Vol. 1+ 1903+ Kyoto, 1903+
CC. 1+; C. 1+; E. 1+; CE. 1-2.

Laboratory. M. Vol. 1-2. 1874-1876. Bost., 1874-1876.
No more published.
CC. [1-2]; N. 1.

Lake Superior miner. W. Vol. 1-12. 1855(?)-1866. Ontonagon, Mich., 1855(?)-1866.
No more information available.
N. [9-12].

Lake Superior Mining Institute.
Proceedings of the annual meeting. Y. 1st+ 1893+ Ishpeming, 1893+
CE. 1+; E. 1+; C. 1-6, 17+; N. 3-4.

Lakes-to-the-Gulf Deep Waterway Association.
Report of the annual convention. Y. 1st+ 1906+ St. Louis, 1906+
CE. 1st-5th; E. 4th.

Lambeth Junior Scientific Society *See* Junior Institution of Engineers.

Landwirtschaftliche jahrbücher. B-M. Vol. 1+ 1872+ Ber., 1872+
Register. Vol. 1-25. 1872-1896. Ber., 1897.
CC. 32-41, [42-44].

Landwirtschaftliche versuchsstationen. Irreg. Vol. 1+ 1858+ Ber., 1858+
Register. Vol. 1-20. 1858-1877. Ber., 1878.
CC. 58-59, 61-75.

Lead and zinc news. B-W. Vol. 1-14, no. 1. 1901-March 1908. Joplin, Mo., 1901-1908.
Nothing published between January 23 and November 6, 1905, and the place of publication was changed from St. Louis to Joplin.
No more information available.
E. 6-7, [8], 9-14; N. [6-8, 10].

League of American Wheelmen. Bulletin *See* Good roads.

Leather. W. Vol. 1+ 1909+ Lond., 1909+
N. 1-3.

Leather manufacturer. M. Vol. 1+ 1883+ Bost., 1883+
N. 9-21.

Leather workers' journal. M. Vol. 1+ 1898+ Kansas City, Mo., 1898+
C. 6+

Leipziger färber- und zeugdrucker-zeitung. Vol. 1+ 1850+ Ber., 1850+
Vol. 1-16 (1850-1867) title reads Deutsche muster-zeitung für färberei, druckerei, bleicherei, etc.
Vol. 17-21 (1868-1872) title reads Musterzeitung für färberei, druckerei, etc.
Vol. 22-29 (1873-1880) title reads Musterzeitung.
Vol. 30-40 (1881-1891) title reads Färbereimuster-zeitung.
N. [1], 2-20, 22-25, 31-32, 46-57; CC. 41-47, 52+

Leland Stanford Junior University.
Publications. Studies in electricity. No. 1. 1892. Palo Alto, 1892.
No more published.
N. 1.

Letters on brewing. Q. Vol. 1+ 1902+ Milwaukee, 1902+
CC. [1-2], 3-4, [5-6], 7+

Liebig's annalen der chemie. M. Vol. 1+ 1832+ Lpz., 1832+
Formed by the consolidation of Magazin für die neuesten erfahrungen, entdeckungen und berichtungen im gebiete der pharmacie and Archiv des Apotheker-Vereins im nördlichen Teutschland in 1832.
Vol. 1-32 (1832-1839) title reads Annalen der pharmacie.
Vol. 33-168 (1840-1873) title reads Annalen der chemie und pharmacie.
Vol. 169-172 (1873-1874) title reads Justus Liebig's Annalen der chemie und pharmacie.
Supplement. Vol. 1-8. 1861-1872. Lpz., 1861-1872.
Autoren-und sach-register. Vol. 1-100. 1832-1856. Lpz., 1861.
Autoren und sach-register. Vol. 101-116. 1857-1860. Lpz., 1861.
Autoren und sach-register. Vol. 117-164 und den Supplement, Vol. 1-8, 1861-1872. Lpz., 1874.
General-register. Vol. 165-220. 1873-1883. Lpz., 1885.
General-register. Vol. 221-276. 1883-1893. Lpz., 1895.
General-register. Vol. 277-328. 1893-1903. Lpz., 1905.
General-register. Vol. 329-380. 1903-1911. Lpz., 1913.
Register. Vol. 381-384 in Vol. 384. Lpz., 1911.
Register. Vol. 385-388 in Vol. 388. Lpz., 1912.
Register. Vol. 389-392 in Vol. 392. Lpz., 1912.
Register. Vol. 393-396 in Vol. 396. Lpz., 1913.
Register. Vol. 397-400 in Vol. 400. Lpz., 1913.
CC. 1+; N. 1+; S. 1+; E. 365+

Liége. Institut Electrotechnique Montefiore. Association des Ingénieurs Electriciens.
Bulletin. M. Vol. 1(?)-(?), (?)-1889; Ser. 2, Vol. 1-11, 1890-1900; Ser. 3, Vol. 1+ 1901+ Liége, (?)+
E. Ser. 2, 11, Ser. 3, 1+; N. Ser. 2, 1.

Light *See* Gas industry.

Light and power. M. Vol. 1-4, no. 6. 1905-1907. Newark, N. J., 1905-1907.
No more information available.
E. [1], 2-4.

Light car age. M. Vol. 1+ 1912+ N. Y., 1912+
Vol. 1-2, no. 10 (1912-October 1913) title reads Ignition-carburetion-lubrication.
Vol. 2, no. 11-Vol. 3, no. 9 (November 1913-September 1914) title reads Cyclecar age.
E. 2+

Light, heat and power. M. Vol. 1-17, no. 2. 1885-1894. Phil., 1885-1894.
No more information available.
CE. [3], 4-6, [7], 8, [9-11], 12, [13], 14-17; N. [6], 7-8, [9-11], 12, [14-15], 16-17.

Light railway and tramway journal *See* Electric railway and tramway journal.

Lighting journal. M. Vol. 1+ 1913+ N. Y., 1913+
Continuation of Good lighting and illuminating engineer.
CC. 1+; C. 1+; E. 1+

Lightning *See* Electrical times.

Lind's nähmaschinen-techniker. M. Vol. 1+ 1887+ Ber., 1887+
N. 12-14.

Live wire. M. Vol. 1-5, no. 4. 1904-1906. St. Louis, 1904-1906.
No more information available.
E. 1-5.

Liverpool and Manchester photographic journal *See* British journal of photography.

Liverpool Engineering Society.
Transactions. Irreg. Vol. 1+ 1876+ Liverpool, 1881+
CE. 1+; E. 1+; N. 1+; S. 10, 14, 17, 19, 21+

Liverpool Geological Society.
Proceedings. Irreg. Vol. 1+ 1859+ Liverpool, 1859+
E. 10+

Liverpool photographic journal *See* British journal of photography.

Loco. Q. Vol. + 1910+ Schenectady, N. Y., 1910+
E. 1+

Locomotion. W. Vol. 1. 1901-1902. Par., 1901-1902.
No more information available.
E. [1].

Locomotion automobile. W. Vol. 1-7. 1894-1900. Par., 1897-1900.
No more information available.
E. 4, [5], 6, [7].

Locomotive. Q. Vol. 1-10, 1867-1880; New ser. Vol. 1+ 1880+ Hartford, Conn., 1867+
Until 1904 published monthly.
E. 5-6, New ser. 1+; CE. New ser. 1+; N. New ser. 1+; C. New ser. 1-17; S. New ser. 2-5, 28.

Locomotive and Carriage Superintendents' Committee.
Proceedings. Y. Vol. 1-9, 1908+ 1889+ Simla, 1890+
No meetings held 1895-1901, 1903-1904, 1906.
Index. Vol. 1-6. 1889-1894. 3 Vols. Simla, 1894-1895.
CE. 1-9, 1910+

Locomotive engineering *See* Railway and locomotive engineering.

London, Edinburgh, and Dublin philosophical magazine and journal of science. M. Ser. 1, Vol. 1-68, 1798-1826; New ser. Vol. 1-11, 1827-1832; New ser. Vol. 1-37, 1832-1850; Ser. 4, Vol. 1-50, 1851-1875; Ser. 5, Vol. 1-50, 1876-1900; Ser. 6, Vol. 1+ 1901+ Lond., 1798+

In 1814 united with Journal of natural philosophy and continued as Philosophical magazine and journal.
In 1826 united with Annals of philosophy and continued as Philosophical magazine.
In 1832 united with Edinburgh journal of science and continued as London and Edinburgh philosophical magazine and journal of science until 1840.

General index. Vol. 1-11. 1827-1832. Lond., 1835.
Index. Ser. 4, Vol. 20-30. 1860-1865. Lond., 1860-1865.

N. Ser. 1, 1+; **P.** Ser. 1, 1+; **E.** Ser. 1, 1-66, 68, New ser. 1-11, New ser. 1-37, Ser. 4, 1-50, Ser. 5, 1-35, [36], 37-46, 48-50, Ser. 6+; **S.** Ser. 1, 1-68, New ser. 1-11, New ser. 1-37, Ser. 4, 1-3, 5-33, 35-50, Ser. 5, 1-50, Ser. 6, 1-3, [4], 5+; **C.** 1-47, 62-64, 66, Ser. 3, 1-19, 21-37, Ser. 4, 1-50, Ser. 5, 1-50, Ser. 6, 1+; **CC.** Ser. 5, 47-50, Ser. 6, 1-12, 24-25; **CE.** Ser. 6, 21-22.

London Electrical Society.
Transactions and the proceedings. Y. 1837-1843. Lond., 1841-1843.
E. 1837-1843; **N.** 1841-1843.

London geological journal. Irreg. No. 1-3. 1846-1847. Lond., 1846-1847.
Ceased publication.
N. 1-3.

London journal of arts and sciences *See* Newton's London journal of arts and sciences.

London mechanics' register *See* New London mechanics' register.

Lord's power and machinery magazine and builders' handbook *See* Engineers' and power users' magazine.

Louisiana planter and sugar manufacturer. W. Vol. 1+ 1888+ New Orleans, 1888+
N. [4-11, 20], 21+; **E.** 38, [39], 40+; **C.** [43], 44+; **CE.** 4-30, [31].

Luftflotte. M. Vol. 1+ 1909+ Ber., 1909+
E. [5], 6+

Lumière. Vol. 1-17. 1851-1867. Par., 1851-1867.
No more information available.
S. 6-7.

Lumière électrique. W. Vol. 1-53, April 1879-August 1894; New ser. Vol. 1+ 1908+ Par., 1879-1894, 1908+
Known as L'éclairage électrique, 1894-1907.
Ser. 1 published monthly.
Table générale des matières. Vol. 1-10. 1879-1883. Par., n.d.
E. 1-53, New ser. 1+; **N.** 1-53, New ser. 1+; **C.** New ser. 1+; **CC.** 1-18, 20-53, New ser. [18-25]; **S.** 1-18, 27-29.

McGill University. Chemistry and Mineralogy department.
Papers. Irreg. No. 1-5. 1896-1903. Montreal, 1896-1903.
No more information available.
N. 1-5.

McGill University. Engineering department.
Papers. Irreg. No. 1-9. 1898-1903. Montreal, 1898-1903.
No more information available.
N. 1-9.

McGill University. Geology department.
Papers. Irreg. No. 1-23. 1896-1907. Montreal, 1896-1907.
No more information available.
N. [1-2], 3-10, 12-18, 21-23.

McGraw electric railway manual. Y. Vol. 1+ 1894+ N. Y., 1894+
Vol. 1-17 title reads American street railway investments.
Annual supplement of the Street railway journal and Electric railway journal.
CE. 1+; **E.** 1+; **C.** 1-17.

Machine shop. M. Vol. 1+ 1911+ Toronto, 1911+
Vol. 1-4, no. 10 (1911-October 1914) title reads Railway journal of Canada.
E. [1], 2+

Machinery. M. Vol. 1+ 1894+ N. Y., 1894+
There is an edition of Machinery which is sold at one dollar a year.
To this is added material relating to machine shop practice and is published as Machinery. Shop edition.
In the same way articles relating to general engineering subjects were added and the edition was Machinery. Engineering edition.
There is an edition called Machinery. Domestic edition.
There were also articles relating to railway engineering which were added and the edition was called Machinery. Railway edition.
E. 1+; **N.** [3, 5-6], 7-8, [9], 13+; **S.** 13+

Machinery. Railway edition. New ser. Vol. 1-12, no. 4. 1901-1912. N. Y., 1901-1912.
In November 1901 the Journal of railway appliances and railway price combined with the Railway edition of Machinery and formed Railway machinery. This title was retained until October 1910.
In February 1902 Railroad digest consolidated with Railway machinery and title became Railway machinery and the railroad digest.
Ceased publication December 1912.
N. 1-4, [5], 6-9; **CE.** [1], 2-3, [4]; **E.** 4-6, [7-9], 10-12.

Machinery (London). W. Vol. 1+ 1912+ Lond., 1912+
S. [1], 2+; **E.** [1], 2+

Machinery market. M. 1879+ Lond., 1879+
N. [1888-1891, 1893-1896, 1900-1901, 1904-1905]; **E.** [1910], 1911+; **CE.** [1885-1895].

Madrid cientifico. T-M. Vol. 1+ 1894+ Madrid, 1894+
E. [9, 15], 16, [17], 18+

Magazin für die bergbaukunde. Y. Vol. 1-13. 1785-1799. Dresden, 1785-1799.
No more published.
N. 1-13.

Magazin für die neuesten erfahrungen, entdeckungen und berichtungen im gebiete der pharmacie *See* Allgemeine nordische annalen der chemie für die freunde der naturkunde und arzneiwissenschaft insbesondere der pharmacie.

Magazine of popular science and journal of the useful arts. Vol. 1-4. 1836-1837. Lond., 1836-1837.
E. 1-4.

Magazine of science and artists, architects, and builders' journal. Vol. 1-15. 1840-1852. Lond., 1840-1852.
Vol. 1-11 title reads Magazine of science and school of arts.
No more published.
E. 1.

Magdeburger Verein für Dampfkessel-Betrieb.
Technische und gewerbliche mittheilungen. Vol. 1-2. 1876-1877. Ber., 1877-1878.
No more information available.
N. 1-2.

Magnet. S-M. Vol. 1, nos. 1-15. February-September 1880. N. Y., 1880.
No more published.
E. 1.

Magyar Mérnok- es Epítész- Egylet.
Heti ertesitöje. W. Vol. 1+ 1882+ Budapest, 1882+
CE. [1-2, 4-11, 14], 15+; **N.** [21].

Magyar Mérnok- es Epítész- Egylet.
Közlönye. W. Vol. 1+ 1867+ Budapest, 1867+
CE. [11], 13, [14], 15-16, [17-18], 19, [20-25], 26, 28, [29-30], 31+; **E.** [48], 49+; **N.** [36].

Magyar Vegyészeti Gyárosok orsz. Egyesületének.
Vegyészeti lapok. S-M. Vol. 1+ 1906+ Budapest, 1906+
E. [9].

Maine Society of Civil Engineers.
Constitution, proceedings and list of members. Y. No. 1+ 1911+ Augusta, 1911+
E. 1+; **CE.** 1.

Manchester Association of Employers, Foremen, and Draughtsmen *See* Manchester Association of Engineers.

Manchester Association of Engineers.
Transactions. Y. 1883+ Manchester, 1883+
From 1883-1885 title reads Papers read before the Manchester Association of Employers, Foremen, and Draughtsmen.
E. 1883+; **CE.** 1902+

Manchester Geological Society *See* Manchester Geological and Mining Society.

Manchester Geological and Mining Society.
Transactions. Irreg. Vol. 1+ 1841+ Manchester, 1841+
Vol. 1-27 known as the Manchester Geological Society.
Federated with the Institution of Mining Engineers in 1904.
Authors' and subject-matter index. Vol. 1-28. Manchester, 1908.
C. 1-30, 32+; **E.** 15+

Manchester Literary & Philosophical Society.
Memoirs and proceedings. T-Y. Vol. 1-5, 1785-1802; Ser. 2, Vol. 1-15, 1805-1860; Ser. 3, Vol. 1-10, 1862-1887; Ser. 4, Vol. 1+ 1888+ Lond., 1789+
N. 1-5, Ser. 2, 1-15, Ser. 3, 1-10, Ser. 4, 1-10, 41+; **E.** 1-5, Ser. 2, 1-15, Ser. 3, 1-10, Ser. 4, 1-3, 34+; **CC.** Ser. 4, 6, 44, [45], 46+

Manchester Literary & Philosophical Society.
Proceedings. Vol. 1-26. 1857-1886. Manchester, 1857-1886.
E. 1-26.

Manchester Steam Users' Association.
Memorandum of the chief engineer. Y. 1870+ Manchester, 1870+
CE. 1885-1892, 1894-1895, 1898+; **E.** 1901-1903, 1905, 1907+; **N.** 1898.

Manitoba engineer. Y. Vol. 1+ 1912+ Winnipeg, 1912+
E. 1+

Manitoba Historical and Scientific Society.
Annual report. Y. 1882+ Winnipeg, 1882+
E. 1883-1897.

Manitoba Historical and Scientific Society.
Transactions. Irreg. No. 1+ 1883+ Winnipeg, 1883+
E. 1-5, 15, 17, 19-22, 24, 26-31, 33, 35-38, 40-50, 52; **N.** 64-66.

Manufacturer. S-M. Vol. 1-20. 1888-1907. Phil., 1888-1907.
No more information available.
N. [16, 20].

Manufacturer and builder. M. Vol. 1-29. 1869-1897. N. Y., 1869-1897.
No more published.
CE. 1-27; **E.** 1-26; **N.** 1-14, [15-17], 18-26, [27, 29]; **C.** 1-8.

Manufacturer and industrial gazette. Vol. 1-10. 1880-1885. Holyoke, Mass., 1880-1885.
No more information available.
CE. [3-4, 7], 8, [9-10].

Manufacturer & inventor. Vol. 1-5. 1889-1891. Lond., 1889-1891.
No more information available.
N. [5].

Manufacturers' gazette. W. Vol. 1-24. 1879-1897. Bost., 1879-1897.
Vol. 22 title reads Northeastern lumberman and manufacturers' gazette.
No more information available.
E. 6-22; **N.** [17-20, 22-24].

Manufacturers' record. W. Vol. 1+ 1882+ Baltimore, 1882+
N. 14-16, [22, 24-27], 31+; **CE.** 21-57, [58]; **E.** [51], 52-57, [58-59], 60+; **CC.** 42-60, [63-64]; **C.** 59-62.

Manufacturers' review and industrial record. M. Vol. 1-28, no. 3. 1868-1895. N. Y., 1868-1895.
First few numbers title reads Industrial American.
No more information available.
N. 18-28.

Marconigraph. M. Vol. 1-2, no. 24. April 1911-March 1913. Lond., 1911-1913.
No more published.
Continued as the Wireless world.
E. 1-2.

Marine engineer *See* Marine engineer and naval architect.

Marine engineer and naval architect. M. Vol. 1-3, 1876-1878; Vol. 1+ 1879+ Lond., 1876+
1876-1878 title reads Marine engineering news.
1879-1906 title reads Marine engineer.
C. 1+; **N.** 1+; **E.** [23-25], 26+

Marine engineering *See* International marine engineering.

Marine engineering news *See* Marine engineer and naval architect.

Marine journal. W. Vol. 1+ 1878+ N. Y., 1878+
N. [10, 18, 26], 27+; **E.** 19-22.

Marine review. M. Vol. 1+ 1878+ Cleveland, 1914+
E. 45+

Maritime Association of the Port of New York.
Proceedings of the annual meeting. Y. 1879+ N. Y., 1879+
This Association was organized in 1873 and incorporated in 1874. There is no record available of Proceedings before 1879.
E. 1912.

Maschinen- und metallindustrie- zeitung. 26 nos. Y. Vol. 1+ 1896+ Wien, 1896+
Vol. 1-3 (1896-1898) title reads Centralblatt für maschinen-industrie und eisengiesserei.
Vol. 4-5 (1899-1900) title reads Centralblatt für die gesammte eisen,-stahl,-metall-und machinen-industrie.
Beilage. Oesterreichische eisenhändler-zeitung.
N. 4-15.

Maschinen- und metallindustrie-zeitung.
Beilage. Oesterreichische eisenhändler-zeitung. S-M. Vol. 1+ 1905+ Wien, 1905+
N. 1+

Maschinenbauer. Vol. 1-35. 1866-1900. Lpz., 1866-1900.
No more information available.
E. 24.

Massachusetts Institute of Technology.
Abstracts of the Proceedings of the Society of Arts. 1870-1891. Bost., 1870-1891.
Abstracts for years 1870-1877 were published in the Annual reports of the Secretary of the Institute.
Later numbers published in Technology quarterly (1891-May 1908).
No more published.
CE. 1879-1891; **N.** 1879-1890; **E.** 1883-1891.

Massachusetts Institute of Technology. Society of Arts.
Bulletin. M. December 1908-April 1910. Bost., 1908-1910.
No more published.
From 1879-1891 the Proceedings of the Society were published in Abstracts of the Proceedings.
From 1891-1908 the Proceedings were published in the Technology quarterly.
Continued as Science conspectus.
CE. 1908-1910; **S.** 1908-1910.

Massachusetts Institute of Technology. Society of Arts.
Science conspectus. 5 nos. Y. Vol. 1+ December 1910+ Bost., 1910+
Continuation of the Bulletin.
CE. 1+; **E.** 1+; **S.** 1+

Master Car and Locomotive Painters' Association of the United States and Canada.
Proceedings of the annual convention. Y. 1st+ 1870+ Reading, Mass., 1870+
E. 25th, 41st; **N.** 32nd.

Master Car-Builders' Association.
Report of the proceedings of the annual convention. Y. 1st+ 1867+ N. Y.-Chic., 1874+
1st-6th title reads History and early reports.
E. 1-6, 8+; **CE.** 1-9, 11-34, 36-44; **N.** 1-6, 8-9, 11, 13-34, 36, 39, 41-45; **S.** 30, 32-34, 37, 39, 41+

Mécanique-électricité. M. 1908+ Par., 1908+
E. 1908+

Mechanic. M. Vol. 1-5. 1832-1836. Bost., 1832-1836.
Vol. 1 title reads Young mechanic.
No more information available.
CE. 4.

Mechanic arts magazine *See note* Science and industry.

Mechanical engineer. W. Vol. 1+ 1898+ Manchester, 1898+
CE. 1+; **E.** 1+; **N.** [10-13], 14+

Mechanical engineer (New York) *See* Engineer (Chicago).

Mechanical engineering & electrical engineering record. M. Vol. 1-2, no. 6. 1907-March 1909. Lexington, Ky., 1907-1909.
No more information available.
E. 2.

Mechanical Engineers' Association of the Witwatersrand *See* Transvaal Institute of Mechanical Engineers.

Mechanical news. S-M. Vol. 1-23. 1871-1894. N. Y., 1871-1894.
No more information available.
CE. [12], 13-14, [15-17], 18-22, [23]; **N.** 17-20, 22.

Mechanical world and metal trades journal. W. Vol. 1-21, 1876-1886; New ser. Vol. 1+ 1887+ Lond., 1887+
From 1876-1881 title reads Design and work.
Vol. 12-14 title reads Mechanical world.
Vol. 15-21 title reads Mechanical world and steam users' journal.
E. 15, 17-21, New ser. 9+; **N.** New ser. 22+; **S.** New ser. [41], 42-48, [49], 50+; **CE.** 21.

Mechanical world and steam users' journal *See* Mechanical world and metal trades journal.

Mechanics *See* Engineering mechanics.

Mechanics' Institute *See* General Society of Mechanics and Tradesmen of the City of New York.

Mechanic's magazine. W. Vol. 1-69, 1823-1858; New ser. Vol. 1-28, 1859-1872. Lond., 1823-1872.
Vol. 1-57 (1823-1852) title reads Mechanic's magazine, museum, register, journal & gazette.
New series title reads Mechanics' magazine and journal of engineering, agriculture, etc.
In 1873 incorporated with Iron, being a new series of Mechanics' magazine.
E. 1-69, New ser. 1-28; **C.** 1-61; **S.** 1-10, [11], 16, 19-22, [23], 65; **CE.** 40-48, [49-50], 51, [52], 53, [54-55], 56, [57], 58-60, [61], 62-63, [65], 66-68, [69].

Mechanics' magazine and journal of public internal improvement. Vol. 1. 1830-1831. Bost., 1830-1831.
No more published.
C. 1; **N.** 1.

Mechanics' magazine and journal of the Mechanics' Institute. M. Vol. 1-9. 1833-1837. N. Y., 1833-1837.
Vol. 1-6 title reads Mechanics' magazine, and register of inventions and improvements.
No more published.
In 1838 united with American railroad journal, which later became American engineer and railroad journal.
N. 1-9; **S.** 1-9; **E.** 1-5, 7-9; **C.** [1], 7-9.

Mechanics' magazine, and register of inventions and improvements *See* Mechanics' magazine and journal of the Mechanics' Institute.

Mechaniker. S-M. Vol. 1+ 1894+ Ber., 1894+
N. [5-8], 10+

Mellon Institute of Industrial Research and School of Special Industries *See* Pittsburgh University. Mellon Institute of Industrial Research and School of Special Industries.

Memphis Engineering Society.
Journal. Q. Vol. 1-3, no. 4. 1901-July 1904. Memphis, 1901-1904.
No more information available.
CE. 1, [2-3].

Metal. W. Vol. 1-2. 1893. N. Y., 1893.
No more information available.
C. 1-2.

Metal industry (London). M. Vol. 1+ 1909+ Lond., 1909+
E. 1+

Metal industry. M. New ser., Vol. 1+ 1903+ N. Y., 1903+
Formed by the incorporation of Aluminum world, Brass founder and finisher and Electroplaters review in January 1903.
In August 1907 Copper and brass was incorporated with Metal industry.
E. 1+; **CC.** 3+; **C.** 4-5, 8+; **CE.** 7+

Metal worker, plumber and steam fitter. W. Vol. 1+ 1874+ N. Y., 1874+
In October 1912 Engineering review (N. Y). consolidated with Metal worker, plumber and steam fitter.
E. 1-42, [43], 44+; **C.** 1-37, 40-67, 69-76, 78; **N.** [34-42, 44-46], 47+; **S.** 67+; **CE.** 73+

Metall. S-M. 1914+ Ber., 1914+
E. 1914+

Metall-technik. W. Vol. 1+ 1875+ Ber., 1875+
Until October 1907 (Vol. 33, no. 40) title reads Metallarbeiter.
N. 23+; **E.** 30+

Metall und erz. M. New ser. Vol. 1+ 1912+ Halle a. S., 1912+
New series of Metallurgie.
In October 1912 Metallurgie divided and formed two publications: Ferrum and Metall und erz. The volume number of Metallurgie is retained for Ferrum.
CC. 1+; **C.** 1+; **E.** 1+; **N.** 1+

Metallarbeiter *See* Metall-technik.

Metallographist *See* Iron and steel magazine.

Metallurgical and chemical engineering. M. Vol. 1+ 1902+ N. Y., 1902+
Vol. 1-2 title reads Electrochemical industry.
Vol. 3-7 title reads Electrochemical and metallurgical industry.
In 1906 Iron and steel magazine was incorporated with Electrochemical and metallurgical industry.
CC. 1+; **C.** 1+; **E.** 1+; **P.** 1+; **S.** 4+; **CE.** 8+

Metallurgical review. M. Vol. 1-2. 1877-1878. N. Y., 1877-1878.
No more published.
CC. 1-2; **CE.** 1-2; **C.** 1-2; **E.** 1-2; **N.** [1].

Métallurgie. W. Vol. 1+ 1870+ Par., 1870+
E. [33], 34-36, [37], 38-39, [40], 41+

Metallurgie. M. Vol. 1-9. 1904-1912. Halle a. S., 1904-1912.
In October 1912 Metallurgie divided and formed two publications namely: Metall und erz and Ferrum.
CC. 1-9; C. 1-9; E. 1-9; N. 1-9.

Métallurgie et la construction mécanique. W. Vol. 1+ 1868+ Par., 1868+
N. 28+; CE. 10.

Métaux & alliages *See* Revue scientifique, industrielle et commerciale des métaux & alliages.

Mexico. Cuerpo de Ingenieros del Ejercito.
Boletin de injenieros. M. Vol. 1+ 1911+ Mexico, 1911+
CE. 1+; S. [1], 2+; E. [2], 3, [4], 5+

Mexican Institute of Mining and Metallurgy.
Transactions. Y. Vol. 1+ 1909+ Mexico, 1909+
E. 1+

Mexican mining journal. M. Vol. 1+ 1905+ Mexico City, 1905+
E. 4+; N. 5+; CE. [10], 11+

Mexico. Ministerio de Fomento.
Anales. Irreg. Vol. 1-11. 1877-1898. Mexico, 1877-1898.
No more information available.
CE. 1-4.

Michigan Academy of Science.
Report. Y. Vol. 1+ 1900+ Lansing, Mich., 1900+
E. 1-9; N. 1-2, 4, 6-9, 11-13.

Michigan Association of Surveyors and Civil Engineers *See* Michigan Engineering Society. Michigan engineer.

Michigan Electrical Association.
Proceedings. Y. Vol. 1+ 1904+ v.p., 1904+
E. 1+; N. 6-8.

Michigan engineer *See* Michigan Engineering Society. Michigan engineer.

Michigan Engineering Society.
Michigan engineer. Y. 1st+ 1880+ Ann Arbor, Mich., 1880+
The 1st, 10th-20th (1880-1881, 1889-1899) title reads Michigan engineers' annual.
From 1880-1884 known as the Michigan Association of Surveyors and Civil Engineers. The 2nd-3rd (1881-1882) title reads Meeting. The 4th-9th (1883-1888) title reads Proceedings at its annual meeting.
CE. 1st-30th; N. 1st-30th; E. 1st, 3rd, 5th, 7th-8th, 10th-16th, 19th-22nd, 24th-25th, 27th+

Michigan engineers' annual *See* Michigan Engineering Society. Michigan engineer.

Michigan Gas Association.
Proceedings of the annual meeting. Y. 1st+ 1893+ v.p., 1893+
N. 10th-14th, 16th+; E. 18th+

Michigan roads and forests. M. Vol. 1+ 1905+ Detroit, 1905+
C. [9], 10+

Michigan technic *See* Michigan University. Engineering Society. Michigan technic.

Michigan University. Engineering Society.
Michigan technic. S-A. Vol. 1-4, 1885-1888; New ser. Vol. 1+ 1889+ Ann Arbor, 1885+
CE. 4, New ser. 1+; E. 4, New ser. 2-4, 8-12, 17+; C. New ser. 3-11, 17-19; N. [19-22]; S. 22-23, [24].

Midland Institute of Mining, Civil and Mechanical Engineers.
Transactions. Vol. 1+ 1869+ Barnsley, 1869+
In 1889 was federated with Institution of Mining Engineers.
CE. 6-18.

Military Service Institution of the United States.
Journal. M. Vol. 1+ 1880+ N. Y., 1880+
General index. Vol. 1-34. 1880-1904. N. Y., 1904.
CE. 1+; N. 1+; C. 2+; E. 2+

Military telegraph bulletin. M. No. 1-65. March 1884-September 1889. Lond., 1884-1889.
No more published.
E. 1-65.

Mine, quarry and derrick. B-W. Vol. 1+ February 1915+ Calgary, 1915+
E. 1+

Mine and quarry. Q. Vol. 1+ 1906+ Chic., 1906+
Only three numbers each published for Vols. 2-3.
E. [1], 2+

Miner and electrician. M. Vol. 1-12. 1889-July 1899. Spokane, Wash., 1889-1899.
Vol. 10, nos. 1-4 title reads Spokane miner and electrician.
In 1899 incorporated with Mining (Spokane).
N. 8, [9], 10, [11], 12.

Mineral industry. Y. Vol. 1+ 1892+ N. Y., 1893+
Vol. 1-5 formed the Statistical supplement of Engineering and mining journal.
CC. 1+; C. 1+; E. 1+; N. 1+; P. 1+

Mineralogical magazine and journal of the Mineralogical Society *See* Mineralogical Society. Mineralogical magazine.

Mineralogical Society.
Mineralogical magazine and journal of the Mineralogical Society. Irreg. Vol. 1+ 1876+ Lond., 1876+
Index of authors and subjects. Vol. 1-10. Lond., 1895.
N. 1+; E. [1], 2-3, [5], 6+

Mineralogische mittheilungen *See* Tschermaks mineralogische und petrographische mittheilungen.

Mineralogische und petrographische mittheilungen *See* Tschermaks mineralogische und petrographische mittheilungen.

Minerals. M. Vol. 1-3. 1892-1893. N. Y., 1892-1893.
No more published.
Continued as Mineral collector.
N. 1-3.

Minero Mexicano. W. Vol. 1-44, no. 13. 1873-March 1904. México, 1873-1904.
No more information available.
E. [21], 22-23, [24-27], 28-29, [30], 31-32, [33], 34, [35], 36, [37-39], 40-41, [42-44]; **CE.** 5-9.

Mines and methods. M. Vol. 1-4, no. 10. 1909-June 1913. Salt Lake City, 1909-1913.
Ceased publication.
E. 1-4; **C.** 1-2, 4; **N.** 1.

Mines and minerals *See* Colliery engineer.

Mines and mining *See* Mining and metallurgical journal (Denver).

Mining (Spokane). M. Vol. 1-18(?). 1896-1908. Spokane, Wash., 1896-1908.
Vol. 1-10 published as the Journal of the Northwest Mining Association.
In 1899 incorporates Miner and electrician.
In 1908 title became Northwest mining news, which later became Northwest mining & metallurgy.
N. 1-11, [12-13]; **E.** 1-5, [6], 7, [8], 9-11, [12-13].

Mining (Wigan). Vol. 1-4. 1893-1896. Wigan, 1893-1896.
In 1896 incorporated with Mining engineering.
N. 1-4.

Mining age and conservative. Vol. 1-4, no. 4. 1879-1882. N. Y., 1879-1882.
No more information available.
N. [3-4].

Mining and engineering record *See* Mining, engineering and electrical record.

Mining and engineering review. M. Vol. 1+ 1908+ Melbourne, 1908+
Vol. 1-3, no. 27 title reads Australian mining and engineering review.
E. 1+

Mining and engineering world. W. Vol. 1+ 1894+ Butte, Mont.-Chic., 1894+
Vol. 1-18, no. 17 (1894-1903) title reads Western mining world.
Vol. 18, no. 18-Vol. 34 (1903-1911) title reads Mining world.
E. [4-5], 6, [7], 8-10, [11], 12, [13-14], 15, [16], 17, [18], 19+; **N.** [20, 22, 26-27], 28+; **CC.** [20-21], 22+; **C.** 29+

Mining and Geological Institute of India.
Transactions. Irreg. Vol. 1+ 1907+ Calcutta, 1907+
E. 1+

Mining and metallurgical journal. M. Vol. 1-19, no. 2. 1897-September, 1911. San Francisco, 1897-1911.
Vol. 1-18, no. 7 (1897-July, 1911) title reads Pacific miner.
N. [12-17]; **E.** [15], 16-17, [18-19].

Mining and metallurgical journal (Denver). S-M. Vol. 1-16. 1894-1908. Denver, Colo., 1894-1908.
Known as Mines and mining until May 1908.
Consolidated with Mining science in December 1908.
E. 15-16; **N.** [14-15].

Mining and metallurgical journal *See* Mining and metallurgy.

Mining and Metallurgical Society of America.
Bulletin. M. No. 1+ 1908+ N. Y., 1908+
E. 1+; **C.** 1-18, 32+; **CE.** 4-5.

Mining and metallurgy. S-M. Vol. 1-24. (?)-1901. San Francisco,-N. Y., (?)-1901.
Vol. 1-23 title reads Mining and metallurgical journal.
Consolidated with Engineering and mining journal in 1902.
E. [18], 19-24; **CE.** 24.

Mining and scientific press *See* Mining press.

Mining and scientific review. W. New series, Vol. 1-34. 1878-1895. Denver, Colo., 1878-1895.
From 1893-1895 title reads Mining review.
In August 1895 consolidated with Mining industry and tradesman and formed Mining industry and review, retaining the volume number of Mining industry.
E. 20, 23-25, 27-30, [31], 32, [33-34].

Mining and statistic magazine *See* Mining magazine (New York).

Mining Association and Institute of Cornwall.
Transactions. Irreg. Vol. 1-4. 1887-1895. Camborne, 1887-1895.
Formed by the amalgamation of Miners' Association of Cornwall & Devon, and the Mining Institute of Cornwall.
E. 1-4; **N.** 1-4; **C.** 1-3.

Mining bulletin *See* Pennsylvania State College. Mining bulletin.

Mining engineering. M. Vol. 1+ 1896+ Lond., 1896+
Incorporates Mining (Wigan) in 1896.
E. [1], 2, [3], 4-6, [7], 8+

Mining, engineering and electrical record. M. Vol. 1+ October 1895+ Victoria, 1895+
Vol. 1-15 title reads British Columbia mining record.
Vol. 16-17 title reads British Columbia mining and engineering record.
Vol. 18-19, no. 2, title reads Mining and engineering record.
E. 1-2, [5, 8], 9-14, [15], 16+; **C.** [16-17], 18+

Mining herald and colliery engineer *See* Colliery engineer.

Mining industry *See* Mining industry and review.

Mining industry and review. W. Vol. 1-21, no. 1. 1886-1898. Denver, Colo., 1886-1898.
Vol. 1-7, no. 9 (1886-August 1890) title reads Mining industry.
Vol. 7, no. 10-Vol 16, no. 4 (August 1890-August 1895) title reads Mining industry and tradesman.
Formed by the consolidation of Mining industry and tradesman and Mining review in August 1895 (Vol. 16, no. 5).
Continued as Mining reporter.
E. [1], 2-13, [14, 16]; N. [18], 19, [20], 21.

Mining Institute of Cornwall.
Proceedings. Irreg. Vol. 1. 1876-1884. Truro, 1876-1884.
Combined with Miners' Association of Cornwall & Devon in 1887 and formed Mining Association and Institute of Cornwall.
E. [1].

Mining Institute of Scotland.
Transactions. 5 nos. Y. Vol. 1+ 1879+ Hamilton, 1879+
In 1893 was federated with the Institution of Mining Engineers.
Index. Vol. 1-12. 1879-1891. Hamilton, 1891.
C. 1+; E. 1+; CE. 1-31; N. [5-8, 16], 17, [19], 20, [21, 23].

Mining investor. W. Vol. 1+ 1894+ Colorado Springs, 1894+
N. [41], 42+

Mining journal. W. Vol. 1+ 1835+ Lond., 1835+
Vol. 1-82 title reads Mining journal, railway and commercial gazette.
Anniversary number. 75th. August 1909.
N. 4+; E. 48-58, 60+; C. 36, 49-67, 79-88, 90+; CE. 69+

Mining magazine. M. Vol. 1+ 1909+ Lond., 1909+
E. 1+; CC. 10-13.

Mining magazine (New York). M. Vol. 1-13, no. 7. 1897-1906. N. Y., 1897-1906.
Vol. 1-9 title reads Pacific coast miner.
Consolidated with Engineering and mining journal in 1906.
E. 7-13.

Mining magazine (New York). M. Vol. 1-10, 1853-1858; Ser. 2, Vol. 1-2, 1860-1861. N. Y., 1853-1861.
Vol. 10 (1858) title reads Mining and statistic magazine.
Series 2, Vol. 1-2 (1860-1861) title reads Mining magazine and journal of geology, mineralogy, metallurgy, chemistry, etc.
N. 1-10, Ser. 2, 1; E. 1-5, 9, [10], Ser. 2, [1]; C. 2, 6.

Mining magazine and journal of geology, mineral, ogy, metallurgy, etc. *See* Mining magazine (New York).

Mining manual. Y. Vol. 1+ 1887+ Lond., 1887+
E. 18-19, 22, 24+; C. 12, 20, 22.

Mining press. W. Vol. 1+ 1860+ San Francisco, 1860+
Vol. 20-24 (1870-1872) title reads Scientific press.
Vol. 25-109 (1873-1914) title reads Mining and scientific press.
E. 10, 20-23, 34+; C. 13, 16-19, 21, 23, 25-79, 94+; N. 8, [15, 51], 74+; CE. [96-97], 99+

Mining record. Weekly ed. Vol. 1+ 1889+ Denver, 1889+
N. 17+; E. Current nos. only.

Mining record *See* Financial and mining record.

Mining reporter. W. Vol. 38-56, no. 23. July 1898-1907. Denver, Colo., 1898-1907.
Continuation of Mining industry and review, retaining the volume number of Mining review.
In December 1907 combined with Ores and metals and formed Mining science, retaining the volume number of Mining reporter.
Continued as Mining science.
N. 38-56; E. [45, 48], 49-56.

Mining review. S-M. Vol. 1-10. 1872-1877. Georgetown,-Denver, Colo., 1872-1877.
Changed from monthly to semi-monthly publication in September 1875.
Published in Georgetown until December 1875.
Consolidated with Engineering and mining journal in 1877.
E. [2], 3-10.

Mining review (Chicago). W. Vol. 1-17. 1879-1887. Chic., 1879-1887.
Vol. 16 (1886) title reads Chicago mining review.
C. 13-14, 16-17; E. [16-17].

Mining review (Denver, 1893-1895) *See* Mining and scientific review.

Mining review and metallurgist. M. Vol. 1-42, no. 10. 1866-1907. Chic., 1866-1907.
No more information available.
E. 39-40, [41], 42; N. 41-42.

Mining science. W. Vol. 56, no. 24+ 1907+ Denver, Colo., 1907+
Continuation of Mining reporter and Ores and metals, which combined in December 1907. The volume number of Mining reporter is retained.
Mining and metallurgical journal (Denver) consolidated with Mining science in December 1908.
Changed to monthly publication in March 1913.
E. 56+; C. 61-62, 64+; CC [63], 64+

Mining Society of Nova Scotia.
Journal, being the Transactions of the Society. Irreg. Vol. 1+ 1892+ Halifax, 1892+
Transactions for the years 1895-1898 published in the Journal of the Federated Canadian Mining Institute, Vol. 1-3.
CE. 1+; E. 1-3, [5], 6-11, 13+; C. 1-3, 7+

Mining world *See* Mining and engineering world.

Mining world and engineering and commercial record. W. Vol. 1+ 1871+ Lond., 1871+
E. 17-29; CE. 12-14, 19.

Minnesota engineer *See* Minnesota University. Engineers' Society. Minnesota engineer.

Minnesota School of Mines *See* Minnesota University. Minnesota School of Mines. Experiment station.

Minnesota Surveyors' and Engineers' Society.
Proceedings at the annual convention. Y. 1st+ 1896+ St. Cloud, 1896+
CE. 11th.

Minnesota University. Engineers' Society.
Minnesota engineer. Q. 1893-1905, Vol. 14+ Minneapolis, 1893+
Vol. 1-16 (1893-November 1908) title reads Year book.
Volume numbering begins with Vol. 14 in 1906.
CE. 1+; E. 3, 14+

Minnesota University. Minnesota School of Mines. Experiment station.
Bulletin. Irreg. No. 1+ 1912+ Minneapolis, 1912+
E. 1+

Missouri Association of Surveyors and Civil Engineers.
Proceedings at the annual meeting. Y. 1st-6th. 1881-1886. Columbia, Mo., 1881-1886.
No more information available.
CE. 5th-6th.

Missouri Mining Association.
Bulletin. Irreg. Vol. 1, no. 1. 1895. Rolla, 1895.
Formerly known as the Missouri Mining Club.
N. 1.

Missouri University. Engineering Experiment station.
Bulletin. Q. Vol. 1+ 1910+ Columbia, Mo., 1910+
E. 1+

Missouri University. School of Mines and Metallurgy.
Bulletin. Q. Vol. 1+ 1908+ Rolla, Mo., 1908+
E. [1], 2+

Mitteilungen über forschungsarbeiten auf dem gebiete des ingenieurwesens *See* Verein Deutscher Ingenieure. Mitteilungen über forschungsarbeiten auf dem gebiete des ingenieurwesens.

Mitteleuropäischer Motorwagen-Verein.
Automobil-rundschau. S-M. Vol. 1+ 1902+ Ber., 1902+
Vol. 1-11 title reads Zeitschrift.
E. 8+

Mittheilungen aus der praxis dampfkessel und dampfmaschinen-betriebes *See* Zeitschrift für dampfkessel und maschinenbetrieb.

Mittheilungen aus Justus Perthes' geographischer anstalt über wichtige neue erforschungen auf dem gesammtgebiete der geographie. M. Vol. 1+ 1855+ Gotha, 1855+
Ergänzungsbände. Vol. 1-36. 1860-1911. Gotha, 1860-1911.
Inhaltsverzeichniss. 1855-1864. Gotha, 1865.
Inhaltsverzeichniss. 1865-1874. Gotha, 1877.
Inhaltsverzeichniss. 1875-1884. Gotha, 1886.
Inhaltsverzeichniss. 1885-1894. Gotha, 1896.
Inhaltsverzeichniss. 1895-1904. Gotha, 1907.
Beilage. Geographischer anzeiger.
Beilage. Geographischer litteraturbericht.
N. 1+; E. 1-32, [36], 37-43.

Mittheilungen aus Justus Perthes' geographischer anstalt über wichtige neue erforschungen auf dem gesammtgebiete der geographie.
Beilage. Geographischer anzeiger. Vol. 1+ 1900+ Gotha, 1900+
N. 1+

Mittheilungen aus Justus Perthes' geographischer anstalt über wichtige neue erforschungen auf dem gesammtgebiete der geographie.
Beilage. Geographischer litteraturbericht. 1901+ Gotha, 1901+
Issued with the Mittheilungen.
N. 1901+

Mittheilungen über gegenstände des artillerie- und geniewesens. M. Vol. 1+ 1870+ Wien, 1870+
Alphabetisch und chronologisch geordnetes sach-register. 1870-1876. Wien, 1878.
Alphabetisch und jahrgangsweise geordnetes sach-register. 1884-1899. Wien, 1891-1900.
CE. 2+; E. 41+

Model engineer and electrician. W. Vol. 1+ 1898+ Lond., 1898+
From 1898-1902 title reads Model engineer and amateur electrician.
E. 20+

Modern electrics and mechanics. M. Vol. 1-6, no. 9; 28, nos. 1-6. July 1908-June 1914. N. Y., 1908-1914.
In 1914 combined with Electrician and mechanic and became Modern electrics and mechanics. The volume number is changed to 28.
In July 1914 incorporated with Popular electricity and the world's advance and the title became Popular electricity and modern mechanics.
E. [1], 2-9, 28+

Modern light and heat. M. Vol. 1-11, no. 1. 1886-July 1891. Bost., 1886-1891.
Vol. 1 title reads Modern light.
Continued as Electrical progress and development and ceased publication in December 1892.
E. 1-11.

Modern machinery. M. Vol. 1-25, no. 7. 1897-1910. Chic., 1897-1910.
No issues for March and April 1909.
In 1911 incorporated with Southern machinery.
CE. [1], 2-25; **N.** [4], 5-6, [7-12, 21, 24], 25.

Modern mechanics *See* World's advance.

Mois scientifique et industriel. M. Vol. 1+ 1899+ Par., 1899+
E. [2-3], 6-7, [8], 9-10, [11], 12+; **N.** [9-11].

Monatshefte für chemie und verwandte theile anderer wissenschaften. 10 nos. Y. Vol. 1+ 1880+ Wien, 1880+
General register. Vol. 1-10. 1880-1889. Wien, 1894.
General register. Vol. 11-22. 1890-1901. Wien, 1905.
C. 1+

Mondes; revue hebdomadaire des sciences et de leurs applications aux arts et à l'industrie. W. Vol. 1-22, 1863-1873; Ser. 2, Vol. 23-56, 1874-1881; Ser. 3, Vol. 1-9, 1882-1884. Par., 1863-1884.
Combined with Cosmos, revue encyclopédique hebdomadaire des progrés des sciences and continued as Cosmos, revue des sciences et de leurs applications.
S. 1-32, Ser. 2, 23-56, Ser. 3, 1-9.

Moniteur de la papeterie Française et de l'industrie du papier. S-M. Vol. 1+ 1863+ Par., 1863+
CC. [8-9, 11], 12-14, [15].

Moniteur de l'industrie du gaz. S-M. Vol. 1+ 1875+ Par., 1875+
CC. 29-38.

Moniteur des fils et tissus des apprêts. W. Vol. 1 + 1870+ Par., 1870+
N. 33+

Moniteur industriel, économique, commercial, financier. W. Vol. 1+ 1874+ Par., 1874+
Vol. 1-4 title reads Moniteur industriel Belge.
C. 13-16, 28.

Moniteur scientifique. M. Vol. 1+ 1857+ Par., 1857+
Vol. 1 (1857) title reads Moniteur scientifique du chimiste et du manufacturier.
C. 3+; **CC.** 21, 29, [36], 37-69, [70], 71+; **S.** 6-30.

Montana Society of Engineers.
Proceedings of the annual meeting. Y. 1st+ 1888+ n.p., 1888+
CE. 12th.

Montanistische rundschau. S-M. Vol. 1+ 1909+ Ber., 1909+
In 1915 (Vol. 7) incorporated Oesterreichische zeitschrift für berg- und hüttenwesen.
E. 7+

Monthly journal of science *See* Journal of science and annals of astronomy, biology, geology, industrial arts, etc.

Monthly magazine; or, British register. Irreg. Vol. 1-60, 1796-1825; New ser. Vol. 1-6, 1826-1828. Lond., 1796-1828.
New series title reads Monthly magazine; or, British register of literature, sciences and belles-lettres.
N. 1-60, New ser. 1-5; **E.** 1-46.

Monthly nautical magazine and quarterly review *See* United States nautical magazine and naval journal.

Monthly review *See* Incorporated Society of Inspectors of Weights and Measures. Monthly review.

Motive power *See* Boiler maker.

Motocycle (automobile). M. Vol. 1-3, no. 1. 1895-1897. Chic., 1895-1897.
No more information available.
E. 2-3.

Motocycle news. M. Vol. 1+ 1908+ Springfield, Mass., 1908+
Ceased publication August 1912.
Succeeded by "Honest Injun," a dealers' publication and not for public circulation.
E. [4], 5.

Motor. M. 1903+ N. Y., 1903+
E. 1907, [1908-1909], 1910, [1911-1912].

Motor. (London). Vol. 1+ 1902+ Lond., 1902+
Vol. 1-4 title reads Motor cycling and motoring.
E. [21], 22-23, [24].

Motor age. W. Vol. 1+ 1899+ Chic., 1899+
C. [23], 24+; **E.** [21-22], 23, [24].

Motor boat. S-M. Vol. 1+ 1904+ N. Y., 1904+
E. [5], 6+

Motor cycling and motoring *See* Motor (London).

Motor news. W. Vol. 1+ 1900+ Dublin, 1912+
E. [13], 14+

Motor traction. W. Vol. 1+ 1895+ Lond., 1895+
E. [12], 13+; **C.** 16+

Motor trader. W. Vol. 1+ 1905+ Lond., 1905+
E. [28], 29, [30], 31-32, [33].

Motor truck. M. Vol. 1+ 1910+ Pawtucket, R. I., 1910+
C. 2+; **E.** [3], 4+

Motor way. M. Vol. 1-17. 1899-1907. Chic., 1899-1907.
Vol. 1-12 (1899-1905) title reads Automobile review.
Ceased publication December 1907.
E. [1-2].

Motor world. W. Vol. 1+ 1900+ N. Y., 1900+
E. [31-32], 33+

Motordom. M. Vol. 1+ 1908+ Albany, N. Y., 1908+
C. [6], 7+

Motorluftschiff-Studiengesellschaft m. b. H. zu Berlin.
Jahrbuch. Y. 1907-1910, Vol. 4+ 1907+ Ber., 1907+
E. 1907-1910, 4+

Motorwagen. T-M. Vol. 1+ 1898+ Ber., 1898+
E. 1, [2], 3+; N. 7+

Munich. Königliche Bayerische Akademie der Wissenschaften.
Sitzungsberichte der mathematisch-physikalischen classe. Irreg. Vol. 1-21. 1860-1870; Vol. 1+ 1871+ Mün., 1860+
Inhaltsverzeichniss. 1860-1870. Mün., 1872+
Inhaltsverzeichniss. 1871-1885. Mün., 1886.
CC. 6-15, [16-17], 18-30, [31], 32-37, [38].

Munich. Königliche Polytechnische Schule.
Mittheilungen aus dem mechanisch-technischen laboratorium. Irreg. Nos. 1-23, 1879-1895; New ser. No. 1+ 1896+ Mün., 1879+
S. 1-6, 8+; E. 1-21, 24-25, 27-28.

Municipal affairs. Q. Vol. 1-6. 1897-1903. N. Y., 1897-1903.
No more published.
CE. 1-6.

Municipal and railway record. M. Vol. 1-7. July 1897-1900. N. Y., 1897-1900.
Incorporated with Municipal journal and engineer, which later became Municipal journal.
CE. 3-7.

Municipal Electrical Association *See* Incorporated Municipal Electrical Association.

Municipal engineering. M. Vol. 1+ June 1890+ N. Y., 1890+
Vol. 1-10 title reads Paving and municipal engineering.
E. 1+; CE. [1, 4], 5+; P. 4+; N. 2, [3], 4+; S. 21+; CC. 27-41; C. 12-15, 20-33, 38.

Municipal Engineers of the City of New York.
Proceedings. Y. 1903+ N. Y., 1904+
E. 1903+; CE. 1904+

Municipal journal. W. Vol. 1+ July 1896+ N. Y., 1896+
Vol. 1-9, No. 5 (1896-November 1900) title reads City government.
Incorporates Municipal and railway record in 1901 (Vol. 10).
Municipal news was incorporated with Municipal journal and engineer in 1906.
Known as Municipal journal and engineer until June 1912.
N. 1+; E. 2-3, 5-6, [10], 11-19, 22+; CE. 4-8, 10+; C. 1-15, 18, [19, 21], 23, [25], 26+; S. [22], 23+; CC. 10-27.

Municipal news *See note* Municipal journal.

Municipal School of Technology.
Journal. Y. Vol. 1+ 1902+ Manchester, Eng., 1902+
CC. 1+; C. 3, 5.

Musée de l'Industrie de Belgique.
Bulletin. M. Vol. 1-84. 1841-1883. Bruxelles, 1841-1883.
No more published.
Table des matières. Vol. 1-16. 1842-1849. Bruxelles, 1850.
P. 1-44; N. 1-40.

Muster-zeitung für färberei, etc. *See* Leipziger färber- und zeugdrucker-zeitung.

National Academy of Sciences.
Biographical memoirs. Irreg. Vol. 1+ 1877+ Wash., 1877+
N. 1+; E. 1-4.

National Academy of Sciences.
Memoirs. Irreg. Vol. 1+ 1866+ Wash., 1866+
N. 1-7, [8], 9+; E. 1-8; CE. 1-7, [8], 9; S. 1-7, [8].

National Academy of Sciences.
Proceedings. Irreg. Vol. 1, pts. 1-3. March 1863-October 1894. Wash., 1877-1895.
CE. 1.

National Association of Bar Iron Manufacturers.
Quarterly report. Q. 1st. 1871. Phil., 1872.
No more information available.
CE. 1st.

National Association of Builders of the United States of America.
Official report, annual convention. Y. 1st-6th. 1887-1899. N. Y., 1887-1899.
No more information available.
CE. 2nd-6th.

National Association of Car Service Managers *See* American Association of Demurrage Officers.

National Association of Cement Users.
Proceedings of the annual convention. Y. 1st+ 1905+ Indianapolis, 1905+
CE. 1st+; C. 1st+; E. 1st+; P. 1st+; S. 3rd.

National Association of Cotton Manufacturers.
Transactions. Y. No. 1+ 1866+ Bost., 1866+
Successor to Hampden County Cotton Manufacturers' Association.
From 1866-1905 known as the New England Cotton Manufacturers' Association.
No. 1 title reads Statistics of cotton manufacturers in New England.
No. 2-56 title reads Proceedings of semi-annual meeting.
Index. Nos. 1-37. 1866-1884. Bost., 1885.
N. 1-14, 16-25, 48+; S. 1-37, 48-54, 56-86; CE. 22, 40, 48+; E. 48+

National Association of Fire Engineers *See* International Association of Fire Engineers.

National Association of German-American Technologists. Technologist *See* Deutsch-Amerikanischer Techniker-Verband. Technologist.

National Association of Iron Manufacturers.
Statistical report. Y. 1872. Phil., 1873.
No more information available.
N. 1872.

National Association of Manufacturers of the United States of America.
Proceedings of the annual convention. Y. 1st+ 1896+ v.p., 1896+
C. 10th-11th; **CE.** 14th-16th.

National Association of Master Steam and Hot Water Fitters.
Official bulletin. M. Vol. 1+ 1894+ N. Y., 1894+
E. 19+

National Association of Railway Commissioners.
Proceedings of the annual convention. Y. 1st+ 1889+ Wash., 1889+
CE. 1st+; **E.** 1st-4th, 6th-12th, 14th-20th, 23rd+

National Association of Railway Commissioners.
Public service regulation. M. Vol. 1+ 1911+ Chic., 1911+
E. 1+

National Association of State Universities in the United States of America.
Transactions and Proceedings. Y. No. 1+ 1903+ Hamilton, O., 1903+
E. 8, 12.

National Association of Stationary Engineers.
National engineer. M. Vol. 1+ 1897+ Chic., 1897+
C. 1-13, [14], 15+; **E.** 3-4, 7, [8], 9+; **N.** [2, 10, 12], 13+

National Association of Wool Manufacturers.
Bulletin. Y. Vol. 1+ 1869+ Bost., 1869+
E. 1-37.

National Brick Manufacturers' Association.
Official report, annual convention. Y. 1st+ 1887+ Chic., 1887+
N. 3rd, 5th, 7th-8th, 10th+; **CE.** 20th; **E.** 26th.

National builder. M. Vol. 1+ 1885+ Chic., 1885+
Incorporates Builder and wood worker.
CE. [19-20], 26-52.

National car and locomotive builder. M. Vol. 1-26. 1870-1895. N. Y., 1870-1895.
Vol. 1-16 title reads National car builder. Consolidated with American engineer and railroad journal in 1896.
N. [4, 8], 11, 13-14, 16-17, 19-26; **E.** 11-26; **CE.** 11-14, 25-26.

National car builder *See* National car and locomotive builder.

National Commercial Gas Association.
Monthly bulletin. M. Vol. 1+ 1909+ N. Y., 1909+
E. [1-3], 4+

National Commercial Gas Association.
Proceedings of the annual meetings. Y. 3rd+ 1908+ N. Y., 1908+
"No record of any account was made of the first two meetings."
E. 3rd+; **CC.** 5-6.

National District Heating Association.
Proceedings. Y. 1st+ 1909+ Greenville, O., 1909+
E. 5th.

National Electric Lamp Association. Engineering department.
Bulletin. Irreg. No. 1+ 1907+ Cleveland, O., 1907+
E. 1-10, 12-13, 16+; **N.** 1-9, 11-15.

National Electric Lamp Association. Physical Laboratory.
Abstract-bulletin. Irreg. Vol. 1+ 1913+ Cleveland, O., 1913+
E. 1+

National Electric Light Association.
Bulletin. M. Vol. 1+ 1907+ N. Y., 1907+
E. [1-2], 3, [4], 5+; **N.** 2, [3].

National Electric Light Association.
Proceedings at its convention. Y. 1st+ 1885+ N. Y., 1885+
Index. Conventions 1-32. 1885-1909. N. Y., 1909.
Index to Proceedings of Conventions 32-36. 1909-1913. N. Y., 1914.
E. 1+; **N.** 1-30, [31], 32+; **CE.** 24-30, [31], 32+; **C.** 1-30, [31], 32+; **S.** 12.

National Electric Light Association. Michigan section.
Convention. Y. 1st+ 1912+ n.p., 1912+

National Electric Light Association. New England section.
Proceedings of the annual convention. Y. 1st+ 1909+ Bost., 1909+
E. 1st-2nd, 4th-5th.

National Electric Light Association. Pacific Gas and Electric Section *See* Pacific Gas and Electric Company. Pacific service magazine.

National Electric Light Association. Philadelphia section *See* Philadelphia Electric Company. Current news.

National electrical contractor *See* National Electrical Contractors' Association of the United States. National electrical contractor.

National Electrical Contractors' Association of the United States.
National electrical contractor. M. Vol. 1+ 1901+ Utica, N. Y., 1901+
E. [1], 2+; **N.** [6-9, 11-12].

National engineer *See* National Association of Stationary Engineers. National engineer.

National Fire Protection Association.
Proceedings of the annual meeting. Y. 1st+ 1897+ v.p., 1897+
Index to subjects covered in the printed records. Chic., 1909.
Index to subjects covered in the printed records. Bost., 1911.
Index to subjects covered in the printed records. Bost., 1913.
E. 1st+; **CE.** 9th-16th; **N.** 10th, 15th-16th; **S.** 6th, 12th.

National Fire Protection Association.
Quarterly. Q. Vol. 1+ 1907+ Hartford, Conn., 1907+
E. 1+; **CE.** [1-3].

National Founders' Association.
N. F. A. Safety bulletin. M. No. 1+ 1913+ West Lynn, Mass., 1913+
E. 14+

National Founders' Association.
Review. M. Vol. 1+ 1904+ Chic., 1904+
Published by the National Founders' Association and National Metal Trades Association in the interest of their workmen.
E. 11+

National Gas Engine Association.
Bulletin. W. No. 1+ 1913+ Lakemont, N. Y., 1913+
E. 19, 28-66, 68-72.

National Gas Engine Association.
Proceedings of the annual convention. Y. 1st+ 1908+ Lakemont, N. Y., 1908+
E. 6th.

National geographic magazine. M. Vol. 1+ 1888+ Wash., 1888+
N. 1+; **C.** 3+; **P.** 3, 5+; **E.** [9-10], 11, [12-13], 14, [15-16], 17+; **S.** 16+; **CE.** [7, 16], 17-19.

National Irrigation Association *See* American Forestry Association. American forestry.

National Lumber Manufacturers' Association.
Official report, annual convention. Y. 1st+ 1903+ Chic., 1903+
S. 8th+; **CE.** 8th-9th.

National Machine Tool Builders' Association.
Official report. S-A. 1st+ 1893+ v.p., 1893+
E. 19th+

National Marine Engineers' Beneficial Association of the United States of America.
Journal of proceedings. S-M. Vol. 1+ 1902+ n.p., 1902+
E. [12-13].

National Metal Trades Association.
Review. M. Vol. 1+ 1904+ Chic., 1904+
Published by the National Founders' Association and National Metal Trades Association in the interests of their workmen.
E. 11+

National oil reporter. W. Vol. 1-4, no. 39. 1901-1903. N. Y., 1901-1903.
Suspended publication temporarily.
N. 2-4.

National Paving Brick Manufacturers Association.
Dependable highways. M. Vol. 1+ August 1914+ Cleveland, 1914+
E. 1+

National Physical Laboratory.
Collected researches. Y. Vol. 1+ 1908+ Lond., 1908+
E. 1+; **S.** 1-4.

National Physical Laboratory.
Report. Y. 1901+ Teddington, 1902+
E. 1901+

National provisioner. W. Vol. 1+ 1889+ N. Y., 1889+
CE. 8-12.

National Sanitary Association.
Proceedings of meetings. 1896-1897. Atlanta, 1896-1897.
No more information available.
CE. 1896-1897.

National Society for the Promotion of Industrial Education.
Bulletin. Irreg. No. 1+ 1907+ N. Y., 1907+
S. 1+

National Supply and Machinery Dealers' Association.
Report of the proceedings of the annual convention. Y. 1st+ 1906+ v.p., 1906+
E. 7th.

National Telephone Exchange Association.
Proceedings. Y. 1st-12th. 1880-1890. v.p., 1880-1890.
Association no longer exists.
E. 1st-12th.

National telephone journal. M. Vol. 1-6. 1906-1911. Lond., 1906-1911.
Discontinued January 1912.
E. [1], 2-5, [6]; **N.** [2-3, 5].

Natura. M. Vol. 1-4. 1877-1881. Firenze, 1877-1881.
Vol. 1-2 title reads L'elettricista.
No more information available.
E. 1-4.

Natural gas journal. M. Vol. 1+ 1907+ Buffalo, N. Y., 1907+
CE. 1+; **CC.** 1+; **E.** [3-4], 5+

Natural History Society of Montreal *See* Canadian naturalist and geologist.

Nature. W. Vol. 1+ 1869+ Lond., 1869+
N. 1+; P. 1+; S. 1+; E. 1-67, 79+; CC. 1-38; CE. 13, 15.

Nature; revue des sciences et de leurs applications aux arts et à l'industrie. W. Vol. 1+ 1873+ Par., 1873+
Table des matières. Vol. 1-10. 1873-1882. Par., n.d.
Table des matières. Vol. 11-20. 1883-1892. Par., n.d.
Table des matières. Vol. 21-30. 1893-1902. Par., n.d.
Table des matières. Vol. 31-40. 1903-1912. Par., n.d.
N. 1+; E. 18.

Naturwissenschaftliche umschau der chemiker zeitung. M. Vol. 1+ 1912+ Cöthen, 1912+
CC. 1+; C. [1], 2+

Nautical gazette. S-M. Vol. 1+ 1871+ N. Y., 1871+
N. 6+; E. [72], 73-77, [78], 79+; C. 79, 82+; CE. 76+

Nautical magazine. M. Vol. 1-5, 1832-1836; Enl. ser. Vol. 6-39, 1837-1870; New ser. Vol. 1-20, 1871-1890; Enl. ser. Vol. 1+ 1891+ Lond., 1832+
S. 21, 24; CE. 16.

Navigazione aerea *See* Aero Club d'Italia. Navigazione aerea.

Navy. M. Vol. 1+ 1907+ Washington, D. C., 1907+
E. [2-3].

Nebraska Association of Engineers and Surveyors.
Proceedings at the annual meetings. Y. 1st-3rd. 1884-1886. Omaha, 1885-1886.
No more published.
Association no longer exists.
In 1896 the Nebraska Engineering Society was organized as a successor to the Association.
CE. 1st-3rd.

Nebraska blue print *See* Nebraska University. Engineering Society. Nebraska blue print.

Nebraska engineering *See* Nebraska University. Engineering Society. Nebraska blue print.

Nebraska University. Engineering Society.
Nebraska blue print. Y. Vol. 1+ 1902+ Lincoln, 1902+
Vol. 1-2 title reads Blue print.
Vol. 3 title reads Nebraska engineering.
E. 1-6, 12+; N. 2.

Neues allgemeines journal der chemie *See* Allgemeines journal der chemie.

Neues jahrbuch der chemie und physik *See* Journal für chemie und physik.

Neues jahrbuch für mineralogie. Irreg. Vol. 4+ 1833+ Heidelberg,-Stut., 1833+
Continuation of Jahrbuch für mineralogie, geognosie, geologie und petrefaktenkunde.
Supplementbände. 1842-1845.
Beilagenheft. 1861.
Allgemeines repertorium der mineralogie, geognosie, geologie und petrefaktenkunde. Vol. 1-10. 1830-1839. Stut., 1841.
Allgemeines repertorium der mineralogie, geognosie, geologie und petrefaktenkunde. Vol. 1-10. 1840-1849. Stut., 1851.
Allgemeines repertorium der mineralogie, geognosie, geologie und petrefaktenkunde. Vol. 1-10. 1850-1859. Stut., 1861.
Allgemeines repertorium der mineralogie, geognosie, geologie und petrefaktenkunde. Vol. 1-10. 1860-1869. Stut., 1870.
Repertorium. Vol. 1-10. 1870-1879. Stut., 1880.
Repertorium. 1880-1884. Stut., 1885.
Repertorium. 1885-1889. Stut., 1891.
Repertorium. 1890-1894. Stut., 1896.
Repertorium. 1895-1899. Stut., 1900.
Repertorium. 1900-1904. Stut., 1906.
Repertorium, 1905-1909, das Centralblatt für mineralogie, geologie und palaeontologie, 1905-1909 und die Beilage bande, 21-28. Stut., 1911.
N. 1833+; E. 1839+

Neues jahrbuch für mineralogie.
Beilage band. Irreg. Vol. 1+ 1881+ Stut., 1881+
N. 1+; E. 5-15, 17-19, 28+

Neues repertorium der experimental-physik *See* Repertorium der physik.

Neuste erfindungen & erfahrungen. 13 nos. Y. Vol. 1+ 1874+ Wien, 1874+
N. 11, 20-24, [28, 34], 35+

New England Association of Gas Engineers.
Proceedings at the annual meeting. Y. 1st+ 1871+ Bost., 1871+
CE. 27th+; E. 36th-38th, 41st+; P. 30th-31st.

New England Cotton Manufacturers' Association *See* National Association of Cotton Manufacturers.

New England engineer. M. Vol. 1+ 1908+ Bost., 1908+
E. [3], 4+

New England Railroad Club.
Proceedings of meetings. 8 nos. Y. 1894+ Bost., 1894+
E. [1894], 1895-1900, [1901], 1902-1903, [1904], 1906-1907, [1908], 1909+; CE. [1894-1896], 1897-1898, [1898, 1900], 1901-1905, [1906, 1908], 1910+

New England Roadmasters' Association.
Proceedings of the annual convention. Y. 1st-18th. 1883-1900. v.p., 1883+
No more information available.
CE. 1st, 3rd-4th, 6th-8th, 10th-13th, 15th-16th, 18th.

New England Water Works Association.
Journal. Q. Vol. 1+ 1886+ Bost., 1886+
Continuation of the Transactions.
Index. Transactions, 1883-1885, Journal, Vol. 1-7, 1886-1893. n.p., n.d.
Index to the Transactions and Journal to December 1903. Bost., 1904.
CE. 1+; **E.** 1+; **C.** 1-15, [26], 27+; **N.** [1-8], 12+; **CC.** 11, 13, [18], 19-22, [23]; **S.** 1-6.

New England Water Works Association.
Transactions. Y. 1883-1885. v.p., 1883-1886.
No more published.
Continued in the Journal.
Index. Transactions, 1883-1885, Journal, Vol. 1-7. 1886-1893. n.p., n.d.
CE. 1883-1885; **E.** 1883-1885; **S.** 1883-1885; **C.** 1882, 1885.

New Jersey forester *See* American Forestry Association. American forestry.

New Jersey Forestry Association *See* American Forestry Association. American forestry.

New Jersey Sanitary Association.
Proceedings of the annual meeting. Y. 1st+ 1875+ New Brunswick, 1875+
CE. 21st-22nd, 24th+

New London mechanics' register. W. Vol. 1-4, 1824-1826; New ser. Vol. 1-2, 1827-1828. Lond., 1824-1828.
Vol. 1-4 title reads London mechanics' register.
E. 1-4, New ser. 1-2.

New South Wales Association of Surveyors *See* Institution of Surveyors, New South Wales.

New York. State engineer and surveyor department *See* Barge canal bulletin.

New York Electric Railway Association.
Report of the annual meeting. Y. 1st+ 1883+ v.p., 1883+
Until June 1912 known as the Street Railway Association of the State of New York.
E. 1st, 3rd+; **CE.** 1st-24th, 26th; **N.** 1st-10th, 18th-20th.

New York Electrical Society.
Transactions. Irreg. Nos. 1-15, 1888-1911; New ser. No. 1+ 1912+ N. Y., 1888+
E. 1-15, New ser. 1+; **N.** 2-14.

New York farmer and mechanic *See* Farmer & mechanic.

New York highway news. Irreg. Vol. 1+ September 1913+ Albany, 1913+
E. 1+

New York Mathematical Society.
Bulletin. M. Vol. 1-3. October 1891-July 1894. N. Y., 1891-1894.
No more published.
Continued as the Bulletin of the American Mathematical Society.
Index contained in American Mathematical Society Bulletin. General index. 1891-1904. N. Y., 1904.
C. 1-3; **S.** 1-3.

New York Mineralogical Club.
Bulletin. Irreg. No. 1+ March 1907+ N. Y., 1907+
Only three numbers have been published.
N. 1-2; **E.** 3.

New York plumber and fitter. M. Vol. 1-2. February 1901-January 1902. N. Y., 1901-1902.
No more published.
N. 1-2.

New York Railroad Club.
Official proceedings. 10 nos. Y. 1888-1894; Vol. 5+ 1888+ N. Y., 1888+
CE. [1888, 1891, 1893-1894], [5], 6+; **N.** [1889-1892], 1893-1894, 5+; **E.** [1893-1894], [5], 6, [7], 8+; **C.** 13+

New York State Institution of Civil Engineers.
Transactions. Vol. 1, nos. 1-2. 1849. Albany, 1849.
No more information available.
CE. [1].

New York State mechanic. 1841-1842. Albany, 1841-1842.
No more information available.
N. 1841-1842.

New Zealand Institute.
Transactions and proceedings. Y. Vol. 1+ 1868+ Wellington, 1868+
Index. Vol. 1-8. Wellington, 1877.
Index. Vol. 1-17. Wellington, 1886.
Index. Vol. 1-40. Wellington, 1911.
N. 1+; **C.** 1, 5-7, 9+; **E.** 1-14, 17-18, 31, 33-35, 37-38, 43+

New Zealand Institute of Mining Engineers.
Transactions. Vol. 1-2. 1897-1898. Auckland, 1897-1898.
Amalgamated with Australasian Institute of Mining Engineers.
E. 1-2.

Newcastle-upon-Tyne Chemical Society.
Transactions. Irreg. Vol. 1-5. 1868-1882. Newcastle-upon-Tyne, 1871-1883.
Incorporated with Society of Chemical Industry in 1883.
E. 1-5; **CC.** 3-5.

Newton's London journal of arts and sciences. M. Vol. 1-14, 1820-1828; Ser. 2, Vol. 1-9, 1828-1832; Conjoined ser. Vol. 1-45, 1832-1854; New ser. Vol. 1-23, 1855-1866. Lond., 1820-1866.
Series 1-2 title reads London journal of arts and sciences.
Conjoined series title reads London journal of arts and sciences, and repertory of patent inventions.
N. 1-14, Ser. 2, 1-9, Conj. ser. 1-43; **E.** New ser. 1-23.

Niederösterreichischer Gewerb-Verein.
Verhandlungen und mittheilungen. Vol. 1-15, 1840-1849; New ser. Vol. 1-38, 1852-1887. Wien, 1840-1887.
N. 1-15, New ser. 1-2, [4], 5-6, [7], 8, [9], 10-19.

Nordische blätter für chemie *See* Allgemeine nordische annalen der chemie für die freunde der naturkunde und arzneiwissenschaft insbesondere der pharmacie.

Norsk teknisk tidsskrift *See* Teknisk ugeblad.

Norske Ingeniör-og Arkitekt-Forening *See note* Teknisk ugeblad.

North Dakota Society of Engineers.
Proceedings. Vol. 1+ 1914+ n.p., 1914+
Contains a record of the first six annual meetings.
E. 1+

North of England Institute of Mining and Mechanical Engineers.
Transactions. Irreg. Vol. 1+ 1852+ Newcastle-upon-Tyne, 1852+
In 1889 was federated with Institution of Mining Engineers.
Vol. 1-18 title reads North of England Institute of Mining Engineers.
General & subject-matter indices. Vol. 1-17. 1852-1868. Newcastle-upon-Tyne, 1869.
General index. Vol. 1-25. 1852-1876. Newcastle-upon-Tyne, 1877.
General index. Vol. 1-38. 1852-1889. Newcastle-upon-Tyne, 1902.
Subject-matter index of mining, mechanical and metallurgical literature. 1900-1902. 3 Vols. Newcastle-upon-Tyne, 1902-1907.
E. 1+; **CE.** 1-2, 7+; **C.** 1-38; **N.** 1-14.

North of England Institute of Mining Engineers *See* North of England Institute of Mining and Mechanical Engineers.

North Staffordshire Institute of Mining and Mechanical Engineers.
Transactions. Irreg. Vol. 1-11. 1873-1891. Newcastle-under-Lyme, 1879-1891.
Continued with Federated Institution of Mining Engineers since 1889.
C. 1-8; **E.** 1, 3-4.

North-East Coast Institution of Engineers and Shipbuilders.
Transactions. Y. Vol. 1+ 1884+ Newcastle-upon-Tyne, 1885+
E. 1+; **CE.** 1-3, 5+

Northeastern lumberman and manufacturers' gazette *See* Manufacturers' gazette.

Northern Railway Club.
Official proceedings. M. Vol. 1-7. 1905-1912. Duluth, 1905-1912.
Ceased publication December 1912.
Club no longer exists.
E. [3-7].

Northwest mining & metallurgy. M. Vol. 1+ December 1906+ Spokane, Wash., 1906+
Continuation of Mining (Spokane).
Vol. 1-8 (1906-March 1913) title reads Northwest mining news.
Nothing published from May 1910 to January 1911 and June 1911 to July 1912.
E. 1+

Northwest Mining Association. Journal *See* Mining (Spokane).

Northwest mining news *See* Northwest mining & metallurgy.

Northwest Railway Club.
Official proceedings. 9 nos. Y. Vol. 1-10, no. 5. 1895-1905. St. Paul, 1895-1905.
No more information available.
CE. [1-6], 7-8, [9]; **E.** [2-3], 4, [5-7], 8-9, [10].

Northwestern Cement Products Association.
Proceedings of the annual convention. Y. 1st+ 1905+ Minneapolis, 1905+
No Proceedings published since 1909.
CE. 3rd-4th; **N.** 4th-5th.

Northwestern Electrical Association.
Annual convention. Y. 1st-4th. 1893-1896. Milwaukee, Wis., 1893-1896.
No more information available.
E. 4th.

Northwestern mechanic. W. Vol. 1-4, no. 6. 1889-1892. Minneapolis, Minn., 1889-1892.
No more information available.
N. [1-4].

Northwestern railroader *See note* Railway age.

Nouvelles annales de la construction. M. Vol. 1-21, 1855-1875; Ser. 3, Vol. 1-8, 1876-1883; Ser. 4, Vol. 1-10, 1884-1893; Ser. 5, Vol. 1-10, 1894-1903; Ser. 6, Vol. 1-10, 1904-1913; Ser. 7, Vol. 1+ 1914+ Par., 1855+
CE. 1-21, Ser. 3, 1-8, Ser. 4, 1-10, Ser. 5, 1-10, Ser. 6, 1-10, Ser. 7, 1+; **E.** 1-7, 13-21; Ser. 3, 1-2, Ser. 4, 3-9, Ser. 5, 1-5, Ser. 6, 6-10, Ser. 7, 1+; **N.** Ser. 5, 4-10, Ser. 6, 1-10, Ser. 7, 1+

Nova Scotian Institute of Natural Science *See* Nova Scotian Institute of Science.

Nova Scotian Institute of Science.
Proceedings and transactions. Irreg. Vol. 1 + 1863+ Halifax, 1863+
From 1863-1890 known as Nova Scotian Institute of Natural Science.
General index. Vol. 1-7 in Vol. 7.
N. [2, 5-9], 10+; **C.** [3-4], 5, [6-7], 8-11, [12], 13+; **E.** [4-9], 11, [12]; **CE.** 6-11, [12]; **CC.** 9+

Nuova cimento. M. Vol. 1-28, 1855-1867; Ser. 2, Vol. 1-16, 1868-1876; Ser. 3, Vol. 1-36, 1877-1894; Ser. 4, Vol. 1-12, 1895-1900; Ser. 5, Vol. 1-20, 1901-1910; Ser. 6, Vol. 1+ 1911+ Pisa, 1855+

From 1843-1847. Vol. 1-5, a publication was issued in two parts: (1) Miscellanee medico-chirurgico-farmaceutiche. (2) Il cimento. Ceased publication in 1847. In 1855 continued under the title of Il nuova cimento.

Indice del Cimento, 1843-1847 e del Nuova cimento, Ser. 1-4. 1855-1900. Pisa, 1903.

E. 1-28, Ser. 2, 1-16, Ser. 3, 1-36, Ser. 4, 1-12, Ser. 5, 1-20, Ser. 6, 1+; N. Ser. 3, 1-4, [15], 16-17, [18]; CC. Ser. 6, 5+

Oberschlesischer Berg-und Hüttenmännischer Verein.

Zeitschrift. M. Vol. 1+ 1862+ Kattowitz, 1862+

E. 31-33, [35-36, 42, 44-45], 48+

Oel-und fett-industrie. S-M. Vol. 1-14(?). 1883(?)-1896(?). Wien, 1883(?)-1896(?).

Supplement of Allgemeine österreichische chemiker-und techniker-zeitung.

E. 12-14.

Oel-und gasmaschine. M. Vol. 1+ 1901+ Ber., 1901+

Vol. 1-12 (1901-April 1913) title reads Gasmotorentechnik.

E. 1-5, [6], 7+; CC. 2-10, [11-12].

Oelmotor. M. Vol. 1+ April 1912+ Wien, 1912+

E. 2+

Oesterreichische eisenhändler-zeitung. *See* Maschinen-und metallindustrie-zeitung. Beilage. Oesterreichische eisenhändler-zeitung.

Osterreichische polytechnische zeitschrift. S-M. Vol. 1+ 1907+ Wien, 1907+

N. 3+

Oesterreichische zeitschrift für berg-und hüttenwesen. W. Vol. 1-52. 1853-1914. Wien, 1853-1914.

In 1915 combined with and continued as Montanistische rundschau.

C. 1-52; E. 27-52; N. 45-52; CC. 27, 29, [31-32], 33, [34], 35, [36], 37, [38], 39, [40], 41, [42-45], 47-49.

Oesterreichische zeitschrift für berg-und hüttenwesen.

Beilage. Bergrechtliche blätter. Q. Vol. 1+ 1906+ Wien, 1906+

C. 4+; E. [4], 5+; N. 2-4.

Oesterreichische zeitschrift für berg-und hüttenwesen.

Beilage. Verein-mitteilungen. M. Vol. 1-27. 1882-1908. Wien, 1882-1908.

C. 1-27; N. 16-27; E. 23-27.

Oesterreichischer Ingenieur und Architekten-Verein.

Wochenschrift. W. Vol. 1-16. 1876-1891. Wien, 1876-1891.

CE. 1-16; E. 1-16; N. 1-16.

Oesterreichischer Ingenieur-und Architekten-Verein.

Zeitschrift. W. Vol. 1+ 1849+ Wien, 1849+

Register der zeitschrift. Vol. 1-22. 1849-1870 in Vol. 26. Wien, 1874.

Register zur Zeit-und Wochenschrift. 1871-1891. Wien, 1882-1893.

Register zur Zeitschrift. 1892-1902. Wien, 1903.

CE. 1+; E. 1+; N. 1+; C. 54+

Oesterreichischer Verein für Kälte-Industrie.

Zeitschrift für eis-und kälte-industrie. M. Vol. 1+ July 1908+ Wien, 1908+

E. [6], 7+

Ohio Electric Light Association.

Proceedings of the annual convention. Y. 1st+ 1895+ Cincinnati, 1895+

N. 6th, 9th-11th, 13th-15th; E. 6th, 9th-13th, 17th; CE. 15th+

Ohio Engineering Society.

Proceedings of the annual meeting. Y. 1st+ 1880+ Columbus, 1880+

1880-1882 known as the Association of County Surveyors of the State of Ohio.
1883-1905 known as the Ohio Society of Surveyors and Civil Engineers.
No report published for the 24th meeting (1903).

CE. 1st+; N. 6th-8th, 10th-23rd, 29th-31st; E. 15th-22nd, 30th, 33rd+

Ohio Gas Light Association.

Proceedings of the annual meeting. Y. 17th-22nd. 1901-1906. n.p., 1904-1906.

For the first sixteen meetings no record was made only what was reported in the gas journals.
1901-1903 bound in one volume.
In 1906 combined with the American Gas Light Association and the Western Gas Association and formed the American Gas Institute.

CC. 17th-22nd; E. 17th-22nd.

Ohio Gas Light Association.

Question box presented to the annual convention. Y. 19th-22nd. 1903-1906. Denver, Colo., 1903-1906.

In 1906 combined with the American Gas Light Association and the Western Gas Association and formed the American Gas Institute.

E. 19th-22nd; S. 20th-21st.

Ohio Independent Telephone Association.

Bulletin. M. Vol. 1-2, no. 8. 1908(?)-1909(?). Columbus, O., 1908(?)-1909(?).

No more published (?).

E. [1], 2.

Ohio Institute of Mining Engineers.

Ohio mining journal. Q. No. 1-25. 1882-1895. Columbus, O., 1882-1895.

No more information available.

CE. 1-17; E. 1, 4, 17, 21, 24-25.

Ohio mining journal *See* Ohio Institute of Mining Engineers. Ohio mining journal.

Ohio Society of Mechanical, Electrical and Steam Engineers.
Journal. S-A. Vol. 1+ 1909+ Columbus, 1909+
E. [1], 2, [3], 4+

Ohio Society of Surveyors and Civil Engineers *See* Ohio Engineering Society.

Ohio State University. College of Engineering.
Bulletin. Irreg. No. 1+ September 1911+ Columbus, O., 1911+
E. 1+

Oil and colour trades journal. W. Vol. 1+ 1880+ Lond., 1880+
Published monthly until 1906.
Known as Oil and colourman's journal until 1906.
Incorporated Oils, colours, and drysalteries in 1906.
CC. [7], 8, [9], 10-13, [14-19], 20-23, [24-26], 27-34, [35], 36-38, [39-40], 41+

Oil and gas journal. W. Vol. 1+ 1902+ Tulsa, Okla., 1902+
Vol. 1-8 (1902-May 1910) title reads Oil investors' journal.
E. 7+; N. [6-8], 9+

Oil, copper & finance *See* Oil, mining & finance.

Oil era *See* Oil, mining & finance.

Oil investors' journal *See* Oil and gas journal.

Oil, mining & finance. Vol. 1-7. 1900-1903. Los Angeles, 1900-1903.
Vol. 1-3 title reads Oil era.
Vol. 4-5, no. 20 title reads Oil, copper & finance.
Incorporated with International mining news.
No more information available.
N. 1-7.

Oil, paint and drug reporter. W. Vol. 1+ 1871+ N. Y., 1871+
CC. 15, 17-18, 20, 26-30, 32-35, 42-44, 49-58, 60+; C. 19-47, 49-50, 52-68, 70+; N. [8, 24-25], 26, [27], 28-30, [32-36], 37-39, [40], 41, [42-45, 48], 50+; E. [77], 78+

Oildom. M. Vol. 1+ 1911+. Bayonne, N. J., 1911+.
E. [2-3], 4+

Old Time Telegraphers' and Historical Association.
Annual reunion. Y. 1st+ 1881+ Montreal, 1881+
E. 21st, 27th, 32nd.

Omnia. W. Vol. 1+ 1906+ Par., 1906+
E. 8+

100% *See* Western Efficiency Society. 100.%

Ontario Association of Architects.
Proceedings. Vol. 1+ 1901+ Toronto, 1901+
CE. 1-10.

Ontario Health Officers' Association *See* note of Association of Executive Health Officers of Ontario.

Operative miller. M. Vol. 1+ 1896+ Chic., 1896+
N. [13-15].

Operator. S-M. Vol. 1-16. 1874-1885. N. Y., 1874-1885.
In 1885 consolidated with and continued as Electrical world.
E. 1-16.

Operator and electrical world. *See* Electrical world.

Optical journal and review of optometry. W. Vol. 1+ 1890+ N. Y., 1890+
N. 17+

Ores and metals. S-M. Vol. 1-16, no. 23. 1892(?)-1907. Denver, Colo., 1892(?)-1907.
In December 1907 combined with Mining reporter and formed Mining science, retaining the volume number of Mining reporter.
E. [7], 8, 10-11, [12-13], 14-16; N. 15-16.

Organ des Verein der Bohrtechniker *See* International Verein der Bohringenieure und Bohrtechniker.

Organ für die fortschritte des eisenbahnwesens in technischer bezeihung. S-M. Vol. 1-18, 1846-1863; New ser. Vol. 1+ 1864+ Wiesbaden, 1846+
Supplementband. Vol. 1-13. 1864-1903.
Sach-und autoren-register. 1864-1873 oder neue folge, Vol. 1-10 und Supplementband, Vol. 1-4. Wiesbaden, 1873.
Sach-und autoren-register. 1874-1883 oder neue folge, Vol. 11-20 und Supplementband, Vol. 5-8. Wiesbaden, 1883.
Sach-und namen-verzeichnis. 1884-1893 oder neue folge, Vol. 21-30 und Ergänzungsband, Vol. 9-11. Wiesbaden, 1894.
Sach-und namen-verzeichnis. 1894-1903 oder neue folge, Vol. 31-40.
Ergänzungsband, Vol. 12-13. Wiesbaden, 1904.
Sach-und namen-verzeichnis. 1904-1907 oder neue folge, Vol. 41-44. Wiesbaden, 1908.
N. 1-18, New ser. 1+; CE. 1-18, New ser. 1-11, 45-48; E. New ser. 47+

Organization of City Officials for Standardizing Paving Specifications *See* Association for Standardizing Paving Specifications.

Ottawa Literary and Scientific Society.
Transactions. Irreg. No. 1+ 1897+ Ottawa, 1898+
N. 1-4; E. 2-4.

Pacific builder and engineer. W. Vol. 1+ 1902+ Seattle, 1902+
C. 15+

Pacific Coast Electric Transmission Association.
Report of the annual convention. Y. 1st-8th. 1897-1904. v.p., 1897-1904.
Probably no more published.
Association went out of existence about 1904.
E. 2nd-7th.

Pacific Coast Gas Association.
Proceedings of the annual meetings. Y. 1st+ (Vol. 1+) 1893+ San Francisco, 1897+
N. 1st-16th (1-7); **E.** 13th+ (6+); **CC.** 11th-18th (5-8).

Pacific coast miner *See* Mining magazine (New York).

Pacific electrician. M. Vol. 1-18, no. 11. 1886-1897. San Francisco, 1886-1897.
No more information available.
E. [15], 16-18.

Pacific Gas and Electric Company.
Pacific service magazine. M. Vol. 1+ June 1909+ San Francisco, 1909+
Vol. 1-4, no. 6 (June 1909-November 1912) title reads Pacific gas and electric magazine.
E. 1+; **CE.** 3.

Pacific gas and electric magazine *See* Pacific Gas and Electric Company. Pacific service magazine.

Pacific index *See* American mining index.

Pacific marine review. M. Vol. 1+ 1904+ Seattle,-San Francisco, 1904+
E. [4].

Pacific miner *See* Mining and metallurgical journal.

Pacific Northwest Society of Engineers.
Proceedings. M. Vol. 1+ 1902+ Seattle, Wash., 1902+
CE. 6+; **E.** 1, [4].

Page's engineering weekly. W. Vol. 1+ 1902+ Lond., 1902+
Vol. 1-5, no. 4 title reads Page's magazine. Vol. 5, no. 5, Vol. 23, no. 475. 1904-1913 title reads Page's weekly.
E. 1+; **N.** [1], 2-7, [8-15].

Page's magazine *See* Page's engineering weekly.

Paint Manufacturers' Association of the United States. Scientific section. Education bureau.
Bulletin. Irreg. No. 1+ 1908(?)+ Phil., 1908(?)+
Nos. 9-10, 12 title reads Paint Manufacturers' Association. Scientific section.
Nos. 15-19 title reads Paint Manufacturers' Association. Scientific section. Promotion and development bureau.
E. 9-10, 12, 15-20, 23-30, 32+

Paint, oil and drug review. W. Vol. 1+ 1883+ Chic., 1883+
N. [38, 45, 51], 53-54.

Painters magazine and paint and wall paper dealer. M. Vol. 1+ 1874+ N. Y., 1874+
N. [2], 24-38.

Paper. W. Vol. 1+ 1910+ N. Y., 1910+
Collective index. Vol. 1-10. 1910-1912 in Vol. 10. N. Y., 1912.
CC. 1+; **E.** [3-9]; **C.** 11+

Paper digest. Vol. 1-3. 1896-1898. N. Y., 1896-1898.
Discontinued.
N. 1, [2-3].

Paper maker and British paper trade journal. M. Vol. 1+ 1891+ Lond., 1891+
N. [28-32].

Paper mill and wood pulp news. W. Vol. 1+ 1876+ N. Y., 1876+
N. [17], 20+; **E.** 37+

Paper trade journal. W. Vol. 1+ 1872+ N. Y., 1872+
Contains the Proceedings of the American Paper and Pulp Association.
C. 30-35, 54+

Paris. Académie des Sciences.
Comptes rendus hebdomadaires des séances de l'Académie. W. Vol. 1+ 1835+ Par., 1835+
Supplement. Vol. 1. Par., 1856.
Supplement. Vol. 2. Par., 1861.
Tables générales des Comptes rendus. Vol. 1-31. 1835-1850. Par., 1853.
Tables générales des Comptes rendus. Vol. 32-61. 1851-1865. Par., 1870.
Tables générales des Comptes rendus. Vol. 62-91. 1866-1880. Par., 1880.
Tables générales des Comptes rendus. Vol. 92-191. 1881-1895. Par., 1900.
CC. 1+; **C.** 1+; **E.** 1+; **N.** 1+; **P.** 1+; **S.** 1-65, 67-75, 78-121; **CE.** 30-48, [50-51, 53], 58-59.

Paris. Académie des Sciences.
Exposé des recherches pour déterminer les forces élastiques de la vapeur d'eau à de hautes temperatures. Par., 1830.
C.

Paris. Académie des Sciences.
Histoire avec les mémoires de mathématiques et de physique. 1699-1790. 93 Vols. Par., 1702-1797.
C. 1700-1781, 1783-1785.

Paris. Académie des Sciences.
Histoire de l'Académie avec les mémoires de physique. Vol. 1-3. 1666-1698. Par., 1777.
E. 1-3.

Paris. Académie des Sciences.
Histoire de l'Académie, contenant un abregé historique de chaque science, avec une liste générale des Mémoires de mathématiques et de physique jusqu'à l'année 1751, inclusivement. Amsterdam, 1760.
E.

Paris. Académie des Sciences.
Histoire de l'Académie Royale des Sciences; avec les mémoires de mathématique et de physique. 1699-1790. Par., 1702-1797.
The volume for 1790 has the title of Mémoires de l'Academie des Sciences.
Continued as the Mémoires de l'Institut National des Sciences et Arts; Sciences Mathématiques et Physiques.
Table générale des matières contenues dans l'histoire et les mémoires. 3 Vols. 1699-1734. Amsterdam, 1741.
N. 1699-1790; **E.** 1699-1778; **C.** 1699-1781, 1783-1785.

Paris. Académie des Sciences.
Histoire du renouvellement de l'Académie et les éloges historiques de tous les Academiciens morts depuis ce renouvellement, avec un discours preliminaire sur l'utilité des mathématiques et de la physique. 1699. Par., 1708.
E.

Paris. Académie des Sciences.
Mémoires, contenant les ouvrages adoptés par cette Académie, avant son renouvellement en 1699. Vol. 1-6. 1735-1736. Amsterdam, 1735-1736.
C. 4-5.

Paris. Académie des Sciences.
Mémoires de mathématique et de physique. Vol. 1-11. 1750-1786. Par., 1776-1786(?).
C. 7, 10.

Paris. Académie des Sciences.
Mémoires de l'Academie Royale des Sciences de l'Institut de France. Vol. 1+ 1816+ Par., 1818+
Continuation of Mémoires de l'Institut National de Sciences et Arts; Sciences, Mathématiques et Physiques.
Tables générales des travaux contenus dans les Mémoires. Ser. 1, Vol. 1-14. 1795-1815. Ser. 2, Vol. 1-40. 1818-1878. Par., 1881.
C. 1+; **E.** 1+; **N.** 1+

Paris. Académie des Sciences.
Mémoires de l'Institut National de Sciences et Arts; Sciences, mathématiques et physiques. Vol. 1-14. 1795-1815. Par., 1798-1818.
Vol. 6 title reads Mémoires de l'Institut des Sciences, Lettres et Arts.
Vol. 7 title reads Mémoires de la classe des sciences mathématiques et physiques de l'Institut National de France.
In 1816 name changed to l'Académie Royale des Sciences.
Continuation of Histoire de l'Académie Royale des Sciences.
Continued as Mémoires de l'Academie Royale des Sciences de l'Institut de France.
Tables générales des travaux contenus dans les Mémoires. Ser. 1, Vol. 1-14. 1795-1815. Ser. 2, Vol. 1-40. 1816-1878. Par., 1881.
C. 1-14; **E.** 1-14; **N.** 1-14.

Paris. Académie des Sciences.
Mémoires par divers savans. Sciences, mathématiques et physiques. Ser. 1, Vol. 1-2. 1805-1811. Ser. 2, Vol. 1+ 1827+ Par., 1805+
Continuation of Mémoires présentés à l'Institut des Sciences.
Tables générales des travaux contenus dans les Mémoires. Ser. 1, Vol. 1-2. 1805-1811. Ser. 2, Vol. 1-25. 1827-1877 in Vol. 25. Par., 1881.
C. 1+; **E.** 1+; **N.** 1+

Paris. Académie des Sciences.
Philosophical history and memoirs of the Royal Academy of Sciences at Paris; or, Abridgment of all the papers 1699-1720. 5 Vols. Lond., 1742.
C. 1-5; **E.** 1-5; **N.** 1-5.

Paris. Académie des Sciences.
Table générale des matières contenues dans l'Histoire et Mémoires de l'Académie. Vol. 1-10. 1666-1780. Par., 1734-1809.
N. 1-9; **E.** 1-6.

Paris. Académie des Sciences.
Traité physique et historique de l'aurore boreale. 1731. Amsterdam, 1735.
E.; **N.**

Patent and trade mark review. M. Vol. 1+ 1902+ N. Y., 1902+
N. 1, [2], 3-4, [5-6], 7-10, [11], 12+

Patent journal and inventors' magazine. M. Vol. 1-12. 1846-1851. Lond., 1846-1851.
No more published.
S. 1-9.

Pattern maker *See* Woodcraft.

Paving and municipal engineering *See* Municipal engineering.

Penn State mining quarterly *See* Pennsylvania State College. Mining Society. Penn State mining quarterly.

Pennsylvania Forestry Association.
Forest leaves. B-M. Vol. 1+ 1889+ Phil., 1899+
E. [3-12], 13+; **N.** [5], 6+

Pennsylvania State College.
Mining bulletin. B-M. Vol. 1-5, no. 1. 1894-1899. State College, 1894-1899.
No more published.
C. 1-3.

Pennsylvania State College. Mining Society.
Penn State mining quarterly. Q. Vol. 1+ 1914+ State College, Pa., 1914+
E. 1+

Pennsylvania State College. School of Engineering.
Engineer. Q. Vol. 1+ 1908+ State College, Pa., 1908+
E. [1-3].

Pennsylvania Street Railway Association.
Report of the annual meeting. Y. 1st-12th. 1892-1903. n.p., 1892-1903.
No more information available.
E. 12th.

Pennsylvania University. Chemical Laboratory. Contributions. Irreg. No. 1+ 1873+ Phil., 1873+
Usually published in the Journal of the American Chemical Society.
N. 1-29.

Penny magazine of the Society for the Diffusion of useful knowledge. Vol. 1-9, 1832-1840; New ser. Vol. 10-16, 1841-1846. Lond., 1832-1846.
Vol. 15-16 title reads Knight's penny magazine.
No more published.
E. 1-9, New ser. 10-16.

Penny mechanic, and the chemist. W. Vol. 1-8. 1836-1842. Lond., 1836-1842.
E. 3.

Perfumery and essential oil record. M. Vol. 1+ 1910+ Lond., 1910+
CC. 2+

Peru. Cuerpo de Ingenieros de Minas.
Anales. S-A. Vol. 1-2. 1874. Lima, 1874.
No more information available.
CE. 1-2.

Peru. Cuerpo de Ingenieros de Minas.
Boletin. Irreg. No. 1+ 1902+ Lima, 1902+
E. 1+

Petermanns Mitteilungen aus Justus Perthes' geographischer anstalt *See* Mittheilungen aus Justus Perthes' geographischer anstalt über wichtige neue erforschungen auf dem gesammtgebiete der geographie.

Petroleum. S-M. Vol. 1+ 1905+ Ber., 1905+
E. 4+

Petroleum. W. Vol. 1-5, no. 200. 1900-1904. Lond., 1900-1904.
Incorporated with Petroleum review.
N. [4-5].

Petroleum review. W. New ser. Vol. 1+ 1896(?)+ Lond., 1896(?)+
Vol. 1-7 (1896-1902) title reads Petroleum industrial and technical review.
Vol. 8-10 (1903-1904) title reads Petroleum review and mining news.
In August 1904 incorporates Petroleum.
E. [8-10], 26+; **N.** [10], 11+; **CC.** 1-13.

Petroleum world. M. Vol. 1+ 1903+ Lond., 1903+
E. 9+

Pharmaceutical journal and pharmacist. W. Vol. 1-18, 1841-1859; Ser. 2, Vol. 1-12, 1859-1870; Ser. 3, Vol. 1-25, 1870-1895; Ser. 4, Vol. 1+ 1895+ Lond., 1841+
Vol. 1-Ser. 3, Vol. 25 (1841-1895) title reads Pharmaceutical journal and transactions.
Index. Vol. 1-15. 1841-1856. Lond., 1857.
Index. Vol. 16-Ser. 2, Vol. 9. 1856-1868. Lond., 1869.
General index. Ser. 2, Vol. 10-Ser. 3, Vol. 8. 1868-1878. Lond., 1880.
CC. 1-18, Ser. 2, 1-11, Ser. 3, 1-25, Ser. 4, 1-25, 29-30, 33+

Pharmaceutische monatsblätter *See* Archiv der pharmacie.

Pharmaceutisches centralblatt *See* Chemisches central-blatt.

Philadelphia Electric Company.
Current news. M. Vol. 1+ 1907+ Phil., 1907+
Section of the National Electric Light Association, Philadelphia, Pa.
E. 6+

Philippine journal of science. B-M. Vol. 1+ 1906+ Manila, 1906+
From 1907-1909 published in three sections.
CC. 1+; **C.** 1+; **E.** 1+; **N.** 1+

Philippine Society of Engineers.
Proceedings. Y. Vol. 1+ 1911+ Manila, 1911+
CE. 1+

Philosophical Institute of Victoria *See* Royal Society of Victoria.

Philosophical magazine *See* London, Edinburgh and Dublin philosophical magazine and journal of science.

Philosophical Society of Glasgow *See* Royal Philosophical Society of Glasgow.

Philosophical Society of the University of Virginia *See* Virginia University. Philosophical Society.

Philosophical Society of Washington.
Bulletin. Irreg. Vol. 1-15. 1871-1910. Wash., 1874-1910.
Ceased publication with Vol. 15.
Combined with Journal of the Washington Academy of Sciences.
CC. 1-15; **N.** 1-15; **E.** 1-11, [12], 13, [14], 15; **S.** 11-15.

Phonogram. M. Vol. 1-3 no. 1. 1891-1893. N. Y., 1891-1893.
No more information available.
N. [1-3]; **E.** [1-2].

Photographic journal *See* British journal of photography.

Photographic news. W. Vol. 1-52(?). 1858-1908(?). Lond., 1858-1908(?).
Incorporated with Amateur photographer in 1908(?).
P. 42-45.

Photographic Society of Great Britain.
Journal containing the Transactions. Vol. 1-16. 1854-1876. Lond., 1854-1876.
Vol. 1-15 (1853-1873) known as the Photographic Society of London.
Continued as the Photographic journal.
N. 1-16; **E.** 1.

Photographic Society of London *See* Photographic Society of Great Britain.

Photographic times. M. Vol. 1+ 1870+ **N. Y.**, 1870+
P. 26+; **S.** 3.

Photographische chronik. Irreg. Vol. 1+ 1893+ Halle a S., 1893+
Forms a supplement to the Atelier des photographen und allgemeine photographenzeitung, and the Zeitschrift für reproductionstechnik.
CC. 18+

Photographische mittheilungen. M. Vol. 1+ 1864+ Ber., 1864+
CC. [15], 16, [17], 18.

Photographische rundschau und photographisches centralblatt. S-M. Vol. 1+ 1887+ Halle a. S., 1887+
CC. 23-25.

Photo-miniature. M. Vol. 1+ 1899+ N. Y., 1899+
P. 1+

Physical review. M. Vol. 1-35, 1893-1912; Ser. 2, Vol. 1+ 1913+ N. Y., 1893+
In February 1903 the Bulletin of the American Physical Society was discontinued and its Proceedings published in the Physical review.
C. 1-35, Ser. 2, 1+; E. 1-35, Ser. 2, 1+; N. 1-35, Ser. 2, 1+; CE. [17], 18-35, Ser. 2, 1+; S. 1-5, 31-33, Ser. 2, 1+; CC. 16, [17], 18, [19], 20-35, Ser. 2, 1+

Physical Society of London.
Abstracts of physical papers from foreign sources. Vol. 1-3. 1895-1897. Lond., 1895-1897.
Continued as Science abstracts.
E. 1-3; N. 1.

Physical Society of London.
Physical memoirs. Vol. 1, pts. 1-3. 1888-1890. Lond., 1891.
E. 1; N. 1.

Physical Society of London.
Proceedings. Irreg. Vol. 1+ 1874+ Lond., 1874+
C. 1+; E. 1+; N. 1+; S. 1-7.

Physikalisch-chemisches centralblatt *See* Fortschritte der chemie, physik und physikalischen chemie.

Physikalisch-technische Reichsanstalt.
Wissenschaftliche abhandlungen. Irreg. Vol. 1+ 1894+ Ber., 1894+
S. 1-5; E. 1-4; N. 1-3.

Physikalische Gesellschaft zu Berlin *See* Deutsche Physikalische Gesellschaft.

Physikalische zeitschrift. S-M. Vol. 1+ October 1899+ Lpz., 1899+
C. 1+; E. 1+; N. 1+; CC. [12-13].

Physikalischer Verein zu Frankfurt-am-Main.
Jahresbericht. Y. 1837+ Frankfurt-am-Main, 1837+
N. 1897-1900, 1910.

Pittsburgh University. Mellon Institute of Industrial Research and School of Special Industries. Smoke investigation.
Bulletin. Irreg. No. 1+ 1913+ Pittsburgh, 1913+
E. 1+

Plumber and sanitary engineer *See* Engineering record.

Plumbing & heating magazine. M. Vol. 1+ 1912+ Phil., 1912+
E. [1], 2+

Poggendorff's Annalen der physik *See* Annalen der physik und chemie.

Polytechnic. 10 nos. Y. Vol. 1+ 1885+ Troy, N. Y., 1885+
CE. [1], 2+; E. [23-24], 25+

Polytechnic engineer. Y. Vol. 1+ 1901+ Brooklyn, N. Y., 1901+
E. 1-7, 10+; CE. 1-5, 10, 12+; C. 10+; S. 10+

Polytechnic journal. M. Vol. 1-8. 1839-1843. Lond., 1839-1843.
Continued as London, Edinburgh, and Dublin polytechnic journal.
E. 1-6.

Polytechnic review. M. Vol. 1-6. 1876-1878. Phil., 1876-1878.
Consolidated with Engineering and mining journal in 1879.
CE. 1-6; N. 1-6.

Polytechnisches notizblatt für chemiker, gewerbetreibende, fabrikanten und künstler. Vol. 1-49. 1846-1894. Frankfurt-a-Main, 1846-1894.
No more published.
Incorporated with Wieck's Illustrirte gewerbe-zeitung.
N. 1-33, 38-49.

Polytechnischer Verein in München.
Bayerisches industrie-und gewerbeblatt. M. Vol. 1-19. 1869-1887. Mün., 1869-1887.
Continuation of Kunst-und gewerbe-blatt.
N. 1-19.

Polytechnischer Verein in München.
Kunst-und gewerbe-blatt. M. Vol. 1-54. 1815-1868. Mün., 1815-1868.
Continued as Bayerisches industrie-und gewerbeblatt.
N. 3-54.

Polytechnisches centralblatt. S-M. Vol. 1-41. 1835-1875. Lpz., 1835-1875.
No more published.
C. 1-41; N. 1-41.

Polytechnisches journal *See* Dingler's polytechnisches journal.

Polyteknisk Forening i Christiania.
Polyteknisk tidsskrift. Vol. 1-29. 1854-1882. Christiania, 1854-1882.
Continued as Norsk teknisk tidsskrift, which was published by the Norske Ingeniör-og Arkitekt-Forening and the Polytekniske Forening. Since 1897 known as Teknisk ugeblad.
N. 1-29.

Polyteknisk tidsskrift *See* Polyteknisk Forening i Christiania. Polyteknisk tidsskrift.

Popular electric monthly. M. Vol. 1-2, no. 5. 1892-1893. Chic., 1892-1893.
No more information available.
E. [1], 2.

Popular electricity and modern mechanics *See* World's advance.

Popular electricity and the world's advance *See* World's advance.

Popular electricity magazine *See* World's advance.

Popular engineer. M. Vol. 1+ 1911+ Perth Amboy, N. J., 1911+
E. [4]+

Popular mechanics magazine. M. Vol. 1+ 1902+ Chic., 1902+
N. 1-5, [6], 7+

Popular science monthly. M. Vol. 1+ 1872+ N. Y., 1872+
Vol. 48-57, no. 1 title reads Appletons' popular science monthly.
Supplement. Nos. 1-21. 1877-1878. N. Y., 1877-1878.
Index. Vol. 1-20. 1872-1882 and Vol. 1-3 of the Supplement. N. Y., 1883.
Index. Vol. 1-40. 1872-1892 and Nos. 1-21 of the Supplement. N. Y., 1893.
C. 1+; **E.** 1+; **P.** 1+; **CE.** 1-15, [16].

Popular science news. M. Vol. 1-36. 1866-1902. Bost.,-N. Y., 1866-1902.
Vol. 1-27 published in Boston.
Vol. 1 title reads Boston journal of chemistry and pharmacy.
Vol. 2-16 title reads Boston journal of chemistry.
Vol. 17-29 title reads Popular science news and Boston journal of chemistry.
At different periods the Boston journal of chemistry absorbed several periodicals, namely: Field and school naturalist, Health and home, Health keeper, Young scientist Industrial monthly, Technologist, Home arts, Minerals, Archaeologist, Youth's journal, Hall's journal of health, Health monthly, Natural science news.
In 1903 consolidated with American inventor.
N. [6-7], 8, [9], 10, [11, 16], 17-36; **P.** 29-36; **CC.** 4-16, [17], 18-20; **E.** [28, 30], 31, [32].

Portefeuille économique des machines de l'outrillage et du materiel relatifs à la construction. M. Vol. 1-20, 1856-1875; Ser. 3, Vol. 1-16, 1876-1891; Ser. 4, Vol. 1-10, 1892-1902; Ser. 5, Vol. 1-10, 1902-1912; Ser. 6, Vol. 1+ 1913+ Par., 1856+
N. 1-20, Ser. 3, 1-16, Ser. 4, 1-10, Ser. 5, 1-10, Ser. 6, 1+; **CE.** 6-20, Ser. 3, 1-16, Ser. 4, 1-10, Ser. 5, 1-10, Ser. 6, 1+; **E.** 1-5, 17-20, Ser. 3, 3, 11-12, Ser. 5, 7-10, Ser. 6, 1+

Posselt's textile journal. M. Vol. 1+ October 1907+ Phil., 1907+
N. 1+

Post Office electrical engineers' journal *See* Institution of Post Office Electrical Engineers. Post Office electrical engineers' journal.

Postal, telegraphic, and telephonic gazette. W. Vol. 1. 1883-1884. Lond., 1883-1884.
No more information available.
E. 1.

Pottery and glass. M. Vol. 1+ 1908+ N. Y., 1908+
Incorporated Glass and pottery world in April 1909.
E. [2].

Power. W. Vol. 1+ 1880+ N. Y., 1880+
There was one number of Power printed in September 1884 (Vol. 1, no. 1).
In November 1884 the magazine Steam, which was published in Chicago, consolidated with Power. The first number of Power was ignored entirely. Two series of numbering continued for six numbers after the consolidation namely: Vol. 1, no. 1-6 and Vol. 5, no. 1-6 which is the next volume number of Steam. After number 6 the volume number 1 is dropped and volume 5 is retained. The publication office was moved to New York and the title for volumes 5-11 (1885-1891) reads Power-Steam.
In May 1903 Science and industry consolidated with Power.
In December 1907 Engineers' review (Cleveland) consolidated with Power.
In May 1908 Engineer (Chicago) was incorporated with Power and the title became Power and the engineer.
Beginning 1908 changed from monthly to weekly publication.
E. 7+; **N.** [5], 6-10, 13-14, [15], 16+; **CE.** 21+; **S.** 13, [20, 24-26], 27+; **CC.** 24-33; **C.** 5, 17.

Power and lighting economist. Q. Vol. 1-5, no. 3. 1901-1905. Troy, N. Y., 1901-1905.
No more information available.
E. 1-4.

Power and the engineer *See* Power.

Power and transmission. M. Vol. 1+ 1885+ Mishawaka, Ind., 1885+
N. [2], 3-4, [5-6], 7, [8-9, 18], 20+; **E.** 11-12.

Power wagon. M. No. 1+ 1906+ Chic., 1906+
N. 1-3, 5-7, 9-17, 19-39, 41-57, 61-70, 73-74; **E.** 51+; **C.** 102+

Practical electricity. B-W. Vol. 1-4, July 1891-March 1893. August 1887-March 1893. Bost., 1887-1893.
Published monthly until July 1891.
No more published.
E. 1-2, [3], 4, 1891-1893.

Practical engineer. W. Vol. 1+ 1887+ Lond., 1887+
In 1903 incorporated Engineers' gazette.
E. 1-4, 7+; **N.** 16+; **CE.** 1-4.

Practical engineer (Chicago). S-M. Vol. 1+ 1897+ Chic., 1897+
Published monthly until 1912.
E. [12], 13+

Practical magazine. Vol. 1-6. 1873-1876. Lond., 1873-1876.
N. 1-6; **E.** 1-5.

Practical mechanic and engineer's magazine. M. Vol. 1-4, 1841-1845; Ser. 2, Vol. 1-2, 1845-1847. Glasgow, 1841-1847.
No more published.
CE. 1-4, Ser. 2, 1-2; **E.** 1-4, Ser. 2, 1-2.

Practical mechanics journal. M. Vol. 1-8, 1848-1856; Ser. 2, Vol. 1-9, 1857-1865; Ser. 3, Vol. 1-8, 1865-1873. Glasgow, 1848-1873.
No more information available.
Illustrated index. Vol. 1-4. Lond., 1854.
E. 1-8, Ser. 2, 1-9, Ser. 3, 1-5; **CE.** 1-7, Ser. 2, 1-9, Ser. 3, 1-4, [5].

Praktische maschinen-konstructeur. S-M. Vol. 1+ 1868+ Lpz., 1868+
Generalregister. 1868-1880. Lpz., 1881.
E. 1-20, [22, 41], 42+; **N.** 30+

Pratique automobile & aéronautique. S-M. Year 1+ 1905+ Par., 1905+
E. 7+

Professional papers on Indian engineering. Q. Vol. 1-7, 1863-1870; Ser. 2, Vol. 1-9, 1871-1881; Ser. 3, Vol. 1-4, 1882-1886. Roorkee, 1863-1886.
Index to Ser. 1. Vol. 1-7. Roorkee, 1871.
Index to Ser. 2. Vol. 1-5. Roorkee, 1877.
CE. Ser. 2, 1-5, 7-8, Ser. 3, [2-4]; **N.** 1, [2], 6, [7], Ser. 2, [1-2, 9].

Progressive age *See* Gas age.

Prometheus. W. Vol. 1+ 1889+ Ber., 1889+
E. 1+; **N.** [10, 13, 15-20].

Promyshlenost i torgovla. S-M. Vol. 1+ 1904+ St. Petersburg, 1904+
E. 9+

Przeglad techniczny. W. Vol. 1+ 1863+ Warszawa, 1863+
E. [50-52], 53+

Public health engineer. W. Vol. 1+ 1897+ Lond., 1897+
N. [15-16]; **E.** [17-18].

Public service. M. Vol. 1+ 1906+ Chic., 1906+
E. 1+; **C.** 5, 9+; **CC.** 1-11; **N.** [1-3], 4+

Public service. M. Vol. 1-3, no. 2. 1907. Portland, Ore., 1907.
No more information available.
E. [2-3].

Public service record. M. Vol. 1+ June 1914+ N. Y., 1914+
E. 1+

Public service regulation *See* National Association of Railway Commissioners. Public service regulation.

Public works. Q. Vol. 1+ 1903+ Lond., 1903+
N. 1-10; **CE.** 6-9.

Pumpen-und brunnenbau. W. Vol. 1+ 1905+ Ber., 1905+
N. 2+

Purdue engineering review. Y. No. 1+ 1905+ Lafayette, Ind., 1905+
No. 1 title reads Engineering review.
Continuation of the Proceedings of the Purdue Society of Civil Engineering.
E. 1+; **CE.** 1-5; **S.** 2.

Purdue Society of Civil Engineering.
Proceedings. Nos. 1-8. 1896-1904. La-Fayette, Ind., 1896-1904.
Continued as the Purdue engineering review.
CE. 1-8; **N.** 1-2.

Pure products. M. Vol. 1+ 1905+ N. Y., 1905+
CC. 1+

Quarry. M. Vol. 1+ 1896+ Lond., 1896+
E. 12+

Quarterly journal of science *See* Journal of science and annals of astronomy, biology, geology, industrial arts, etc.

Queensland government mining journal. M. Vol. 1+ June 1900+ Brisbane, 1900+
E. 1+

Quito. Universidad Central de Ecuador.
Anales. M. Vol. 1+ 1883+ Quito, 1883+
Often called the Universidad de Quito.
CE. 10-12.

Radium. M. Vol. 1+ April 1913+ Pittsburgh, 1913+
E. 3+

Radium. M. Vol. 1+ 1904+ Par., 1904+
C. 1+; **E.** 6+; **N.** 9.

Railroad advocate. W. Vol. 1-4, no. 11. November 1854-September 1857. N. Y., 1854-1857.
Vol. 2-3, no. 12 (May 1855-August 1856) title reads Colburn's railroad advocate.
Vol. 3, no. 13-Vol. 4, no. 6 (August 1856-July 1857) title reads Holley's railroad advocate.
Vol. 4, no. 7-11 (July-September 1857) title reads American engineer.
E. 1-4; **CE.** 2.

Railroad age gazette *See* Railway age gazette.

Railroad and engineering journal *See* American engineer and railroad journal.

Railroad car journal. M. Vol. 1-12, no. 1. 1891-January 1902. N. Y., 1891-1902.
Vol. 1 (1891) title reads Journal of railroad car heating, lighting and ventilating.
Vol. 11-12 (1901-1902) title reads Railroad digest.
In February 1902 incorporated with Railway machinery, which later became the Railway edition of Machinery.
E. 2-11; **N.** [1], 2-10 [11] 12; **CE.** [3], 4-12.

Railroad digest *See* Railroad car journal.

Railroad gazette *See* Railway age gazette.

Railroad herald. M. Vol. 1+ 1896(?)+ Atlanta, Ga., 1896(?)+
E. 12, [18], 19+

Railway age. W. Vol. 1-45. 1876-1908. Chic., 1876-1908.
In 1891 (Vol. 16, no. 38) incorporated Northwestern railroader and title became Railway age and northwestern railroader which was retained until Vol. 31, no. 17 (May 1907) when the former title was resumed.
In June 1908 combined with Railroad gazette and formed Railroad age gazette, retaining the volume number of Railroad gazette.
N. [4], 5-7, [8-9], 10, [11], 12, [13], 14, [15-20], 21-45; CE. [3-4], 5, [6], 7-13, [14], 15-28, [29], 30-45; E. 19-45; C. 12-28; S. [38, 41], 43-44, [45].

Railway age gazette. W. Vol. 1+ 1870+ Chic.-N. Y., 1870+
Vol. 1-44, 1870-1908, title reads Railroad gazette.
In June 1908 Railroad gazette combined with Railway age and formed Railroad age gazette, retaining the volume number of Railroad gazette.
In January 1910 the title changed from Railroad age gazette to Railway age gazette.
E. 1+; CE. 3+; S. 2-3, 23-24, [25-26], 27+; C. 14-53.

Railway age gazette. Mechanical edition. M. Vol. 87, no. 6+ 1913+ N. Y., 1913+
Continuation of American engineer and railroad journal.
CE. 87+; E. 87+; P. 87+; S. 87+

Railway and engineering review *See* Railway review.

Railway and locomotive engineering. M. Vol. 1+ 1888+ N. Y., 1888+
Vol. 1-4 title reads Locomotive engineer.
Vol. 5-13 title reads Locomotive engineering.
E. 1+; CE. 7-10, [14], 15, [16], 17+

Railway Club of Pittsburgh.
Official proceedings. 9 nos. Y. Vol. 1+ 1902+ Pittsburgh, 1902+
E. 1+; N. 1-7.

Railway electrical engineer *See* Association of Railway Electrical Engineers. Railway electrical engineer.

Railway engineer. M. Vol. 1+ 1880+ Lond., 1880+
N. 6-9, 19+; CE. 10+; E. 30+

Railway engineering and maintenance of way. M. Vol. 1+ 1905+ Chic., 1905+
E. [5], 6+

Railway gazette. W. Vol. 1+ 1893+ Lond., 1893+
London edition of Railroad age gazette.
CE. 6+; E. 8+

Railway journal. M. Vol. 1+ 1898+ Chic., 1898+
E. [17-18].

Railway journal of Canada *See* Machine shop.

Railway machinery *See* Machinery. Railway edition.

Railway master-mechanic. M. Vol. 1+ 1878+ Chic., 1878+
Incorporated Railway purchasing agent and supply trade journal.
Vol. 17-18, no. 5 (1893-1894) title reads Railway engineering and mechanics.
E. 16-21, 23+; N. [9, 16-18], 19, [20], 21+; S. 8, [31], 32+; CE. [9], 13-29, [30].

Railway monitor. M. Vol. 1-2. 1873-1874. N. Y., 1873-1874.
CE. 2.

Railway news. W. Vol. 1+ 1864+ Lond., 1864+
N. [27, 63-64, 69, 74], 75+; N. 91+

Railway news (New York). M. Vol. 1-10, no. 4. 1881(?)-1890(?). N. Y., 1881-1890(?).
No more information available.
E. [9], 10.

Railway reporter. M. Vol. 1-6. 1880-1884. Pittsburgh, 1880-1884.
No more information available.
E. 1, 4-6; CE. [1].

Railway review. W. Vol. 1+ 1861+ Chic., 1861+
Vol. 37, no. 14-Vol. 53 (1897-1913) title reads Railway and engineering review.
CE. 18+; E. 20+; C. 27+; N. [28-29, 31-36], 37+

Railway Signal Association.
Journal. Q. Vol. 1+ 1909+ Bethlehem, Pa., 1909+
E. 1+; N. 1+

Railway Signal Association.
Proceedings. Irreg. Vol. 1-5. 1895-1908. Bethlehem, Pa., 1906-1908.
Vol. 1-2 title reads Digest of proceedings and is a re-publication of the Proceedings of the Railway Signaling Club and the Railway Signal Association from 1895-1905.
E. 1-5; N. 1-2, 4-5; CE. 2-5.

Railway Signaling Club *See* Railway Signal Association.

Railway Storekeepers' Association.
Annual meeting. Y. Vol. 1+ 1904+ Buffalo, N. Y., 1904+
E. 9th.

Railway times. W. Vol. 1+ 1838+ Lond., 1838+
Incorporated Herapath's railway journal.
N. 1-18, 47, 72+; E. 95+; CE. 35-37, [38].

Railway times. M. Vol. 1-6(?). 1892-1897(?). Chic., 1892-1897(?).
No more information available.
E. [1].

Railway world. W. Vol. 1+ 1875+ Phil., 1875+
From 1856-1874 known as the United States railroad and mining register.
CE. 2-48, [49, 53], 54+; **N.** 1-10, [12, 14], 15, [17-21], 22, [23-24, 26, 28], 29, 48+; **E.** 6-16, 18-20, [21, 55-56]; **C.** 7.

Railway world *See* Tramway and railway world.

Rassegna mineraria della industria chimica e delle industrie mineralurgiche e metallurgiche *See* Rassegna mineraria metallurgica e chimica.

Rassegna mineraria e delle industrie mineralurgiche e metallurgiche *See* Rassegna mineraria metallurgica e chimica.

Rassegna mineraria metallurgica e chimica. T-M. Vol. 1+ 1894+ Torino, 1894+
Vol. 1-21 title reads Rassegna mineraria e delle industrie mineralurgiche e metallurgiche. Vol. 22-29 title reads Rassegna mineraria della industria chimica e delle industrie mineralurgiche e metallurgiche.
E. [6-10], 11, [12], 13-15, [16], 17+

Rauch und staub. M. Vol. 1+ 1910+ Düsseldorf, 1910+
CC. 1-2, [3]; **E.** 3+

Recueil de mémoires, ou Collection de piéces Académiques, concernant la médecine l'anatomie & la chirurgie, la chymie, la physique experimentale, la botanique & l'histoire naturelle, tirées des meilleures sources. Vol. 1-16. 1754-1787. Dijon,-Par., 1754-1787.
N. 1-16; **E.** 1-4.

Recueil des travaux chimiques des Pays-Bas. Irreg. Vol. 1-15, 1882-1896; Ser. 2, Vol. 1+ 1897+ Leide, 1882+
CC. 1+; **C.** 1-15, Ser. 2, 1+; **N.** Ser. 2, 1+

Refrigerating world. M. Vol. 1-18, 34+ 1899+ N. Y., 1899+
Vol. 1-10, no. 5 (1899-1904) title reads Cold storage.
In April 1900 Ice world was consolidated with Ice trade journal.
In June 1904 Ice trade journal (Vol. 27, no. 11) and Cold storage (Vol. 11, no. 6) consolidated and formed Cold storage and ice trade journal. This title was retained until July 1913 (Vol. 46), when the title became Refrigerating world.
A double volume numbering continues from June 1904-September 1907, when the Cold storage number is dropped and volume 34, being the volume number of Ice trade journal, is retained.
N. 1-18, 34+; **E.** 7-18, 34+; **S.** [12], 14-18, 34+

Register of arts and journal of patent inventions. B-W. Vol. 1-4, 1823-1827; New ser. Vol. 1-7, 1828-1832. Lond., 1823-1832.
The title of the first series reads Register of the arts and sciences.
E. 1-4; **S.** New ser. 1-3.

Register of the arts and sciences *See* Register of arts and journal of patent inventions.

Reimann's färber-zeitung *See* Färberzeitung.

Rensselaer Society of Engineers.
Papers read before the Society. Irreg. Vol. 1-2. 1876-1882. Troy, N. Y., 1876-1882.
No more published.
CE. [1-2].

Rensselaer Society of Engineers.
Selected papers. Irreg. Vol. 1-2, no. 3. 1884-1894. Troy, N. Y., 1884-1894.
No more published.
CE. 1-2.

Repertoire de pharmacie. M. Vol. 1-29, 1844-1873; New ser. Vol. 1-14, 1874-1888; Ser. 3, Vol. 1+ 1889+ Par., 1844+
In 1876 combines with Journal de chimie médicale and continues as Répertoire de pharmacie et Journal de chimie médicale réunis.
In 1888 incorporated Archives de pharmacie and title reads Repertoire de pharmacie et archives de pharmacie réunis.
CC. [1-2], 3, [4-5], 6-8, [9-11], 12-13, [14], Ser. 3, 1-4, [5], 6, [7-9], 10+

Répertoire général de chimie pure et appliquée *See* Revue générale de chimie pure et appliquée. Supplement. Répertoire général de chimie pure et appliquée.

Repertorium der analytischen chemie. W. Vol. 1-7. 1881-1887. Hamburg, 1881-1887.
Combined with Zeitschrift für die chemische industrie in 1887 and formed Zeitschrift für angewandte chemie.
CC. [1], 5-6, [7].

Repertorium der experimental-physik *See* Repertorium der physik.

Repertorium der physik. Pts. 1-3, 1832, 1836, Vol. 1-8, 1837-1849. Ber., 1832-1849.
In 1832 3 parts were published in Leipzig under the title of Repertorium der experimental-physik.
In 1836 published under the title of Neues repertorium der experimental-physik.
E. 1-8; **N.** 1-8.

Repertorium der physik. Vol. 1-27. 1865-1891. Mün., 1865-1891.
Vol. 1-3, 1865-1867 title reads Repertorium für physikalische technik für mathematische und astronomische instrumentenkunde.
Vol. 4-18, 1868-1882 title reads Repertorium für experimental-physik, für physikalische technik.
General-register. Vol. 1-15. Mün., 1881.
E. 1-27; **N.** 1-27; **S.** 1-9.

Repertorium der technischen literatur. Y. 1823-1853; New ser. Vol. 1-4, 1854-1873; New ser. Vol. 1-2, 1874-1878; New ser. Vol. 1-30, 1879-1908. Lpz., 1856-1909.
From 1877 this index was issued from the Kaiserlich Patent Amt.
Ceased publication in 1908.
Continued as Fortschritte der technik.
E. 1823-1853; New ser. 1-4, New ser. 1-2, New ser. 1-30; **N.** 1823-1853, New ser. 1-4, New ser. 1-2, New ser. 1-30; **P.** 1823-1853, New ser. 1-4, New ser. 1-2, New ser. 1-30; **P.** 1823-1853, New ser. 1-4, New ser. 1-2, New ser. 1-30; **CC.** 1823-1853, New ser. 1-4, New ser. 1-2, New ser. 1-30; **C.** New ser. 1-30.

Repertorium für experimental-physik, für physikalische technik *See* Repertorium der physik.

Repertorium für physikalische technik für mathematische und astronomische instrumentenkunde *See* Repertorium der physik.

Repertory of arts and manufactures *See* Repertory of patent inventions and other discoveries and improvements in arts, manufactures, and agriculture.

Repertory of arts, manufactures, and agriculture *See* Repertory of patent inventions and other discoveries and improvements in arts, manufactures, and agriculture.

Repertory of patent inventions and other discoveries and improvements in arts, manufactures, and agriculture. Vol. 1-16, 1794-1802; Ser. 2, Vol. 1-46, 1802-1825; New ser. Vol. 1-16, 1825-1833; New ser. Vol. 1-18, 1834-1842; Enl. ser. Vol. 1-40, 1843-1862. Lond., 1794-1862.
Series 1 title reads Repertory of arts and manufactures.
Series 2 title reads Repertory of arts, manufactures, and agriculture.
Index. Vol. 1-6. Lond., 1806.
Index. Ser. 2, Vol. 1-25. Lond., 1815.
General index. 1815-1845. Lond., 1846.
N. 1-16, Ser. 2, 1-46, New ser. 1-16, New ser. 1-18, Enl. ser. 1-40; **E.** 1-16, Ser. 2, 1-45, New ser. 1-18, Enl. ser. 1-40; **S.** 1-16, Ser. 2, 2-3, 5, 8-11, New ser. 1-17, 19-24; **CE.** Enl. ser. 1-40.

Reporter. M. Vol. 1+ 1868+ Chic., 1868+
N. 30+

Review *See* National Founders' Association. Review.

Review of American chemical research *See* American Chemical Society. Review of American chemical research.

Review of gas and water engineering *See* Gas and water review.

Review of the telegraph and telephone *See* Electrical review and western electrician.

Revista de construcciones y agrimensura. M. Vol. 1+ 1899+ Habana, 1899+
CE. 2+

Revista de ingeniería y arquitectura *See* Instituto de Ingenieros y Arquitectos de Valparaiso. Revista de ingeniería y arquitectura.

Revista de obras publicas e minas *See* Associação dos Engenheiros Civis Portuguezes. Revista de obras publicas e minas.

Revista di artiglieria e genio. Vol. 1-21. 1895-1904. Roma, 1895-1904.
No more information available.
C. 20-21.

Revista minera *See* Revista minera metalúrgica y de ingenieria.

Revista minera e industrial. W. Vol. 1-4, no. 24. 1888-August 1891. Mexico, 1888-1891.
No more information available.
E. [1-4].

Revista minera metalúrgica y de ingenieria. W. Vol. 1+ 1850+ Madrid, 1850+
Vol. 1-33 title reads Revista minera.
Vol. 34-36 title reads Revista minera y metalúrgica.
Indice general. 1850-1857.
Indice general alfabético. Vol. 1-25. 1850-1874. Madrid, 1874.
E. [54-55], 56-57, [58], 59+; **N.** [57-59]; **C.** 36-39.

Revista tecnológico industrial *See* Asociación de Ingenieros Industriales de Barcelona. Revista tecnológico industrial.

Revue de chimie industrielle. M. Vol. 1+ 1890+ Par., 1890+
N. 8-20.

Revue de l'aviation. M. Vol. 1+ 1906+ Par., 1906+
E. [3], 4+

Revue de l'electrochimie et de l'electrometallurgie. M. Vol. 1+ 1907+ Par., 1907+
Continuation of Electrochimie.
E. 1+; **N.** 1+; **CC.** [2-7].

Revue de l'ingenieur et index technique. M. Vol. 1+ 1903+ Lond.-Bruxelles, 1903+
Vol. 1-3 title reads Index de la presse technique.
Vol. 4-5 title reads Engineering press monthly index review.
Vol. 10-18 title reads Technical index.
E. 1+; **CE.** [1], 2+; **N.** 3-16; **S.** 5-6, [7], 8-10, [11]; **C.** [17], 18+

Revue de mécanique. M. Vol. 1+ 1897+ Par., 1897+
Tables décennales des matières et des noms. 1897-1906. Par., 1907.
CE. 1+; **E.** 1+

Revue de métallurgie. M. Vol. 1+ 1904+ Par., 1904+
CC. 1+; **C.** 1+; **E.** 1+; **N.** 1-3; **CE.** 5-8.

Revue du pétrole. M. Vol. 1-5, no. 10. 1908-October 1912. Bucarest, 1908-1912.
No more information available.
E. [4-5].

Revue électrique. S-M. Vol. 1+ 1904+ Par., 1904+
Organ de L'Union des Syndicats de l'Electricité.
E. 1+; **N.** 9+

Revue générale de chimie pure et appliquée. S-M. Vol. 1+ 1899+ Par., 1899+
Vol. 1-5 published monthly.
Supplement. Répertoire général de chimie pure et appliquée.
CC. [1], 2-8, [9], 10, [11], 12+; **N.** [9-11].

Revue générale de chimie pure et appliquée.
Supplement. Répertoire général de chimie pure et appliquée. S-M. Vol. 1+ 1901+ Par., 1901+
Vol. 1-2 published monthly.
Published with the Revue générale.
CC. 1+; N. 9-10.

Revue générale de la construction métallique et de la serrurerie. Vol. 1. 1901. Par., 1901.
Ceased publication.
N. 1.

Revue générale des chemins de fer et des tramways. M. Vol. 1+ 1878+ Par., 1878+
Table générale. 1878-1891. Par., 1884-1892.
Table analytique des matières. Par., 1900.
CE. 1+; N. 1+; E. 16+; C. 1-16.

Revue générale des matières colorantes et de leurs applications aux textiles. M. Vol. 1+ 1897+ Par., 1897+
CC. 1-7, 11+; N. 5-7, 14-15.

Revue générale des sciences pures et appliquées. S-M. Vol. 1+ 1890+ Par., 1890+
C. 1+; N. 1+; CC. 11+; E. 11+; CE. 3-10.

Revue industrielle. W. Vol. 1+ 1871+ Par., 1871+
Incorporated Chronique de l'industrie in 1873.
E. 1+; N. [23-25], 28-42; C. 26.

Revue internationale de l'électricité et de ses applications. S-M. Vol. 1-11. 1885-1890. Par., 1885-1890.
Combined with Electricien in 1891.
N. 1-11; E. [1], 2, 4-10, [11].

Revue mineralurgique. M. Vol. 1+ 1903+ Par., 1903+
E. 1-5.

Revue pratique de l'électricité. S-M. Vol. 1+ 1892+ Par., 1892+
E. 23+

Revue scientifique, industrielle et commerciale des métaux & alliages. M. Vol. 1+ October 1908+ Par., 1908+
E. 1+

Revue scientifique et industrielle. Y. Vol. 1-2. 1897-1899. Par., 1898-1900.
No more information available.
N. 1, [2].

Revue technique. S-M. Vol. 1-27, no. 2. 1880-January 1906. Par., 1880-1906.
Ceased publication January 1906.
CE. 1-27; N. 18-27; E. [25-26].

Revue technique et industrielle. M. Vol. 1+ 1902+ Par., 1902+
N. [8-9].

Revue technologique. S-M. Vol. 1. 1903. Par., 1903.
No more information available.
CE. 1; E. 1.

Revue universelle des mines, de la métallurgie. M. Ser. 1, Vol. 1-40, 1857-1876; Ser. 2, Vol. 1-22, 1877-1887; Ser. 3, Vol. 1-60, 1888-1902; Ser. 4, Vol. 1-40, 1903-1912; Ser. 5, Vol. 1+ 1913+ Par., 1857+
Table générale des matières. Ser. 1. 1857-1876. Par., 1878.
Table des matières. Ser. 3. 1888-1902. Par., 1903.
C. Ser. 1, 1-40, Ser. 2, 1-22, Ser. 3, 1-60, Ser. 4, 1-40, Ser. 5, 1+; E. Ser. 1, 1-40, Ser. 2, 1-22, Ser. 3, 1-60, Ser. 4, 1-40, Ser. 5, 1+; CC. Ser. 2, 4-11, [12], 13-20, [21-22], Ser. 3, 1-4, [5], 6-7, [8], 9-14, [15], 16-18, [19], 20; S. Ser. 2, 1-3, [4-7]; P. Ser. 3, 52.

Richmond Railroad Club.
Official proceedings. M. Vol. 1+ 1901+ Richmond, Va., 1901+
N. [2-6, 8], 9+; E. [2-3].

Rigasche industrie-zeitung. S-M. Vol. 1+ 1875+ Riga, 1875+
CE. 2+; N. [25-28].

Rivista marittima. M. Vol. 1+ 1868+ Roma, 1868+
Indice generale analitico. 1876-1885. Roma, 1886.
Indice. 1897-1901. Roma, 1904.
Indice. 1908-1910. Roma, 1911.
N. 33+; E. 41, [42-43], 44+

Rivista tecnica delle ferrovie Italiane. M. Vol. 1+ 1912+ Roma, 1912+
E. 1+

Rivista tecnica delle scienze, delle arti applicate all'industria. M. Vol. 1-6. 1901-1906. Torino, 1901-1906.
Ceased publication.
N. 1-6.

Rivista telegrafica. Vol. 1. 1881. Napoli, 1881.
No more information available.
E. 1.

Roadmaster and foreman. M. Vol. 1-16, no. 10. 1886-1906. Chic., 1886-1906.
In 1906 incorporated with Engineering-contracting.
CE. [4], 5-16.

Roadmasters' and Maintenance of Way Association of America.
Proceedings of the annual convention. Y. 1st+ 1883+ v.p., 1883+
CE. 1st+

Rock products and building materials. M. Vol. 1+ 1902+ Chic., 1902+
Vol. 5-6 (1905-1906) published alternately in two editions: Stone edition and Manufactured products and concrete edition, but numbered consecutively as parts of the same volume.
Vol. 7-9, no. 5 (1906-1907) editions are published separately.
Since June 1907 published as two separate publications: American stone trade and Rock products and building materials.
N. 3+; E. [5-6], 7+; CE. [5-8], 9-10; C. [12], 13+

Rocky Mountain coal journal. M. Vol. 1, no. 1-9. 1908. Denver, Colo., 1908.
Continued as American coal journal.
No more information available.
N. 1.

Rohölindustrie. M. Vol. 1+ 1910+ Wien, 1910+
E. 5+

Rohrleger *See* Gesundheits-ingenieur.

Roller mill. M. Vol. 1+ 1882+ Buffalo, N. Y., 1882+
N. 1-7, [8], 9-10, [11-12, 15, 17, 23-26].

Romberg's allgemeines polytechnisches journal. Vol. 1-2. 1838-1839. Hamburg, 1838-1839.
N. 1-2.

Rose technic. M. Vol. 1+ 1891+ Terre Haute, Ind., 1891+
Index, author and subject. 1891-1912. n.p., n.d.
CE. 7-9, [10-11], 12+; E. 11+

Royal Aero Club of the United Kingdom *See* Flight.

Royal Cornwall Polytechnic Society.
Annual report. Y. No. 1+ 1833+ Falmouth, 1833+
General index. No. 1-16 in No. 16.
General index. No. 17-35 in No. 36.
General index. No. 36-46 in No. 46.
N. 1-18, 20-22, 24-77.

Royal Dublin Society.
Economic proceedings. Irreg. Vol. 1+ 1899+ Dublin, 1899+
E. 1+; C. 1, [2].

Royal Dublin Society.
Scientific proceedings. Irreg. New ser. Vol. 1+ 1878+ Dublin, 1878+
From 1858-1877 published as the Journal.
Index to Proceedings and Transactions. 1877-1909. Dublin, 1899-1910.
C. 1+; N. 1+; E. 12+

Royal Dublin Society.
Scientific transactions. Irreg. Ser. 2, Vol. 1-9. 1877-1909. Dublin, 1877-1909.
No more published.
Index to Proceedings and Transactions, 1877-1909. Dublin, 1899-1910.
C. 1-9.

Royal Engineers, Corps of.
Papers of subjects connected with the duties of the Corps. Irreg. Vol. 1-10, 1837-1849; New ser. Vol. 1-23, 1851-1876. Lond., 1837-1876.
Continued as Professional papers of the Corps of Royal Engineers. Occasional papers, published by the Royal Engineers Institute.
Index from the commencement to New series Vol. 20. 1837-1872. Woolwich, 1872.
Index. 1837-1892. Chatham, 1893.
N. 1-10, New ser. 1-23; S. 1-10; E. 1, 3-10, New ser. 17-18.

Royal Engineers Institute.
Professional papers of the Corps of Royal Engineers. Occasional papers. Irreg. Vol. 1-30, 1877-1904; Ser. 4, Vol. 1+ 1905+ Chatham, 1877+
Continuation of the Papers on subjects connected with the duties of the Corps of Royal Engineers.
N. 1-30, Ser. 4, 1+

Royal Engineers Institute.
Royal engineers journal. M. Vol. 1+ 1905+ Chatham, 1905+
N. 1+

Royal engineers journal *See* Royal Engineers Institute. Royal engineers journal.

Royal Geographical Society.
Geographical journal. M. Vol. 1+ 1893+ Lond., 1893+
Continuation of the Proceedings.
Index. Vol. 1-20. 1893-1902. Lond., 1906.
N. 1+; E. 1-32.

Royal Geographical Society of London.
Journal. Vol. 1-50. 1830-1880. Lond., 1833-1881.
No more published.
Atlas, maps and plates. Vol. 1-11. Lond., 1831-1841.
General index. Vol. 1-30. 1844-1867. Lond., 1844-1867.
General index. Vol. 31-50. 1881-1884. Lond., 1881-1884.
E. 1-50.

Royal Geographical Society of London.
Proceedings. Vol. 1-22, 1855-1878; New ser. Vol. 1-14, 1879-1892. Lond., 1855-1892.
Continued as the Geographical Journal.
E. 1-22, New ser. 1-14.

Royal Geographical Society of London.
Supplementary papers. Vol. 1-4. 1886-1890. Lond., 1886-1890.
E. 1-4.

Royal Geological Society of Cornwall.
Transactions. Irreg. Vol. 1+ 1818+ Lond., 1818+
E. 1-8, 13+; N. 1-4.

Royal Institute of British Achitects.
Journal. S-M. New ser. Vol. 1-9, 1885-1893; Ser. 3, Vol. 1+ 1894+ Lond., 1885+
Continuation of the Proceedings.
In 1894 combined with the Transactions and formed the third series.
N. New ser. [6], Ser. 3, 4+; E. Ser. 3, 15+; CE. Ser. 3, 18+

Royal Institution of Great Britain.
Journal. Vol. 1-2. 1830-1831. Lond., 1831.
Continuation of the Quarterly journal of science, literature and the arts.
N. 1-2.

Royal Institution of Great Britain.
Notices of proceedings. Irreg. Vol. 1+ 1851+ Lond. 1851+
Index. Vol. 1-4. 1851-1866 in Vol. 4. Lond., 1866.
Index. Vol. 1-12. 1851-1889 in Vol. 12. Lond., 1889.
N. 1+; S. 1+; E. 1-16.

Royal Institution of Great Britain.
Quarterly journal of science, literature and the arts. Q. Vol. 1-22, 1816-1826; New ser. Vol. 1-7, 1827-June 1830. Lond., 1816-1830.
Vol. 1-5 (1816-1818) title reads Journal of the science and the arts.
Continued as the Journal.
E. 1-22, New ser. 2-5, 7; N. 1-22; S. 2, 4-5.

Royal Philosophical Society of Glasgow.
Proceedings. Y. Vol. 1+ 1841+ Glasgow, 1841+
Known as the Philosophical Society of Glasgow until 1891.
Index. Vol. 1-20. 1841-1889. Glasgow, 1892.
CE. 7+

Royal Sanitary Institute.
Journal. M. Vol. 1+ 1879+ Lond., 1880+
From 1879-August 1888 known as the Sanitary Institute of Great Britain.
From August 1888-October 1904 known as the Sanitary Institute.
Vol. 1-2 title reads Report of congress.
Vol. 3-14 title reads Transactions.
General index to the Transactions and Journal including also three volumes of Miscellaneous papers. Vol. 1-21. 1876-1900. Lond., 1901.
CE. 1+; N. 1+; E. 1.

Royal Scottish Society of Arts.
Transactions. Irreg. Vol. 1+ 1841+ Edin., 1841+
C. 1-15, 17, [18].

Royal Society of Arts.
Journal. W. Vol. 1+ 1852+ Lond., 1853+
Known as the Society of Arts until 1908.
Index. Vol. 1-10. Lond., 1863.
Index. Vol. 11-20. Lond., 1873.
Index. Vol. 21-30. Lond., 1884.
Index. Vol. 31-40. 1882-1892. Lond., 1895.
Index. Vol. 41-50. 1892-1902. Lond., 1904.
C. 1+; N. 1+; P. 1+; E. 1-23, [24], 25+; CC. [21], 22-41, [42-43], 44, [45-46], 47+; CE. 23+

Royal Society of Arts.
Transactions. Y. Vol. 1-57. 1783-1851. Lond., 1806-1851.
No more published.
At this time name of Society was Society for the Encouragement of Arts, Manufactures and Commerce.
Supplemental volume. Lond., 1852.
Analytical index. Vol. 1-25. Lond., 1808.
Analytical index. Vol. 26-40. Lond., 1823.
Analytical index. Vol. 41-50 in Vol. 50.
C. 1-57; N. 1-57; P. 1-49; S. 1-10, 12-17, 19, 21, 34-36.

Royal Society of Edinburgh.
Proceedings. Irreg. Vol. 1+ 1832+ Edin., 1832+
N. 1+; E. 12+; C. 3-22, 30+

Royal Society of Edinburgh.
Transactions. Irreg. Vol. 1+ 1783+ Edin., 1783+
General index. Vol. 1-13 in Vol. 13.
General index. Vol. 1-34. 1783-1888. Edin., 1890.
General index. Vol. 35-46. 1889-1908. Edin., 1910.
N. 1+; E. [5-6, 14, 16, 20-21, 37].

Royal Society of London.
Abridgements from Philosophical transactions relating to electricity, galvanism and magnetism. 15 Vols. Lond., n.d.
E. 1-15.

Royal Society of London.
Abstracts of the papers printed in the Philosophical transactions. Vol. 1-6. 1800-1854. Lond., 1832-1854.
Continued as the Proceedings.
C. 1-6.

Royal Society of London.
Catalogue of scientific papers. Irreg. Vol. 1-12. 1800-1883. Lond., 1867-1902.
Subject index. Vol. 1. Pure mathematics. 1800-1900. Cambridge, 1908.
Subject index. Vol. 2. Mechanics. 1800-1900. Cambridge, 1909.
Subject index. Vol. 3. Physics.
Pt. 1. Generalities, heat, light, sound. Cambridge, 1912.
Pt. 2. Electricity and magnetism. Cambridge, 1914.
C. 1-12; E. 1-12; S. 1-12; P. 1-11.

Royal Society of London.
Memoirs of the Royal Society; or, New abridgment of the Philosophical transactions by B. Baddam. Vol. 1-10. 1695-1735. Lond., 1738-1741.
E. 1-5, 8-9; N. 1-2.

Royal Society of London.
Philosophical transactions. Irreg. Vol. 1+ 1665+ Lond., 1665+
After 1886 (Vol. 177) published in two classes (a) Natural science (b) Natural history.
General index. Vol. 1-70. 1665-1780. Lond., 1787.
Continuation of alphabetical index. Vol. 71-110. 1781-1820. Lond., 1821.
Continuation of alphabetical index. Vol. 111-120. 1821-1830. Lond., 1821-1833.
E. 1+; N. 1+; C. 46+; CC. 1-18; S. 1801-1826, [1827], 1828-1885.

Royal Society of London.
Philosophical transactions and collections; abridged and dispos'd under general heads. 1665-1750. 12 Vols. Lond., 1722-1756.
C. 1-12; E. 1-12; P. 1-12; CE. 1-10; N. 1-10.

Royal Society of London.
Philosophical transactions from their commencement, in 1665-1800, abridged by C. Hutton. Vol. 1-18. 1809. Lond., 1809.
E. 1-18; **S.** 1-18.

Royal Society of London.
Proceedings. Irreg. Vol. 1+ 1800+ Lond., 1832+
Vol. 1-4 title reads Abstracts of papers printed in the Philosophical transactions.
Vol. 5-6 title reads Abstracts of papers communicated to the Royal Society.
Index to the Proceedings. Old ser. Vol. 1-75. 1800-1905. Lond., 1913.
E. 1+; **P.** 1+; **S.** 1+; **C.** 7+; **CC.** 22-23.

Royal Society of New South Wales.
Transactions, journal and proceedings. Y. Vol. 1+ 1868+ Sydney, 1868+
E. 9+; **C.** 9-42, 44+; **CC.** 10-19, 22-29, 31-38, 40-41, 43, [44]; **CE.** 10+; **N.** 7, 9-44; **S.** 15, 26, 31, 33, 35+

Royal Society of Tasmania.
Papers and Proceedings. Y. 1889(?)+ Hobart Town, 1889(?)+
CC. 1889-1891, 1893-1896, 1898-1899, 1902, 1906-1907, 1910-1911.

Royal Society of Victoria.
Proceedings. S-A. New ser. Vol. 1+ 1889+ Melbourne, 1889+
N. New ser. 1+; **C.** New ser. 8-14, [20], 23+; **E.** New ser. 16+

Royal Society of Victoria.
Transactions. Y. Vol. 1-24, 1855-1888; New ser. Vol. 1+ 1888+ Melbourne, 1855+
Vol. 1-5, 1855-1860 title reads Transactions of the Philosophical Institute of Victoria.
Vol. 6-24, 1860-1888 title reads Transactions and proceedings.
N. 2-7, [8], 9-24, New ser. 1-2, [3], 4+; **E.** New ser. [5].

Royal Statistical Society.
Journal. Q. Vol. 1+ 1834+ Lond., 1838+
Until 1887 known as the Statistical Society of London.
General index. Vol. 1-15. 1834-1852. Lond., 1854.
General index. Vol. 16-25. 1853-1862. Lond., 1863.
General index. Vol. 26-35. 1863-1872. Lond., 1874.
General index. Vol. 36-50. 1873-1887. Lond., 1889.
General index. Vol. 51-71. 1888-1908. Lond., 1909.
C. 1+; **N.** 1+; **E.** [68-69, 72].

Royal United Service Institution.
Journal. Vol. 1+ 1858+ Lond., 1858+
Index of the lectures and papers contained in the Journal. Vol. 1-10. 1859-1866. Lond., 1868.
Index. Vol. 11-20. 1869-1877. Lond., 1878.
Index. Vol. 21-30. 1878-1886. Lond., 1887.
Index. Vol. 31-50. 1887-1906. Lond., 1907.
N. 1+; **CE.** 18+; **E.** [4-6].

Rubber world. W. Vol. 1+ 1910+ Lond., 1910+
CC. 6+

Rudder. M. Vol. 1+ 1890+ N. Y., 1890+
E. 12-15, 18+

Rugby Engineering Society.
Proceedings. Y. Vol. 1+ 1903+ Rugby, 1903+
E. 1+; **CE.** 1-6.

Ruskava Metalurgicheskava Obschestva.
Joornal. M. 1910+ St. Petersburg, 1910+
E. [1912], 1913+

Ruskava Physico-Khimicheskava Obshchestva.
Jurnal. M. Vol. 1+ 1869+ Petrograd, 1869+
CC. 31+

Safety engineering. M. Vol. 1+ 1901+ N. Y., 1901+
Vol. 1-25, no. 3 (1901-March 1913) title reads Insurance engineering.
E. 1+; **N.** [2], 5+; **S.** [13], 14+

Safety valve. M. Vol. 1-11. 1887-1897. N. Y., 1887-1897.
In 1897 combined with Stationary engineer and Lord's power magazine and formed Engineers' and power users' magazine.
N. [3-5], 6-10, [11]; **E.** 4, [5], 6, [7], 10.

St. Louis Railway Club.
Official proceedings. M. Vol. 1+ 1896+ St. Louis, 1896+
E. 1-10, [11], 12-14, [15], 16+; **CE.** [1-3], 4-5, [6-10, 12], 15+

St. Martin's magazine. M. Vol. 1. November 1874-December 1875. Lond., 1874-1875.
Continued as Telegraphist.
E. 1.

St. Petersburg. Académie Impériale des Sciences.
Bulletin. B-M. Vol. 1-32, New ser. Vol. 1-4; Ser. 5, Vol. 1-24; Ser. 6, Vol. 1+ 1860+ St. Petersburg, 1860+
N. 1-32, New ser. 1-4, Ser. 5, 1-18; **CC.** 22-32, New ser. [4], Ser. 5, 1-7, 9-18, 20, 22, 24, Ser. 6, 1+; **E.** Ser. 6, [1-2].

St. Petersburg. Académie Impériale des Sciences. Mélanges physiques et chimiques tirés du bulletin physico-mathématique. Irreg. Vol. 1-13. 1849-1894. St. Petersburg, 1849-1894.
In 1894 a change in the form of publications took place. Instead of the Mémoires, the Bulletin and the Mélanges tirés du Bulletin, formerly published, there was issued the Bulletin de l'Académie Impériale des Sciences and the Mémoires de l'Académie Impériale des Sciences, which divided into two series, the Mémoires de la classe physico-mathématique, and Mémoires de la classe historique et philologique.
CC. 1, [2-3], 4-13.

Salt Lake mining review. S-M. Vol. 1+ 1899+ Salt Lake City, 1899+
N. [6-7, 10-12]; **E.** [12], 13+

Sammlung chemischer und chemische-technischer vorträge. B-M. Vol. 1+ 1896+ Stut., 1896+
C. 1+

Sammlung elektrotechnischer vorträge. Vol. 1-10. 1899-1907. Stut., 1899-1907.
Ceased publication in 1907.
E. 1-10; **N.** 1-10.

Sand-Lime Brick Association.
Proceedings of the annual convention. Y. 1st+ 1904+ v.p., 1904+
From 1904-1912 known as the American Association of Manufacturers of Sand-Lime Products.
CE. 1st-3rd.

Sanitary engineer *See* Engineering record.

Sanitary engineer and construction record *See* Engineering record.

Sanitary Institute *See* Royal Sanitary Institute.

Sanitary Institute of Great Britain *See* Royal Sanitary Institute.

Sanitary plumber. Vol. 1-18, no. 1. 1885-1900. N. Y., 1885-1900.
Vol. 1-3 title reads Hydraulic and sanitary plumber.
In June 1900 combined with Heating and ventilation and formed Engineering review.
Supplement. Science and practice of heating, plumbing, lighting.
N. 1-18.

Sanitary plumber.
Supplement. Science and practice of heating, plumbing, lighting. Vol. 1-3. December 1894-May 1897. N. Y., 1894-1897.
No longer published separately, but continued as a part of Sanitary plumber, retaining a separate volume numbering until March 1898 (Vol. 4, no. 6).
N. [1], 2, [3].

Santiago de Chile. Universidad de Chile.
Anales. B-M. Vol. 1+ 1843+ Santiago de Chile, 1843+
Indice jeneral. 1843-1855. Santiago de Chile, 1856.
Indice alfabético y analítico. 1843-1887. Santiago de Chile, 1890.
Indice. 1888-1899. Santiago de Chile, 1900.
S. 118, 125+

Schiffbau. W. Vol. 1+ 1899+ Ber., 1899+
N. [4-5], 6+; **E.** [9], 10+

Schiffbautechnische Gesellschaft.
Jahrbuch. Y. Vol. 1+ 1900+ Ber., 1900+
CE. 1+; **E.** 1+

Schillings Journal für gasbeleuchtung *See* Journal für gasbeleuchtung.

Schmidt's Jahres-bericht *See* Jahres-bericht über die leistungen der chemischen technologie.

Schokoladen-und zuckerwaren-industrie und schokoladen-zeitung. W. Vol. 1+ 1906+ Ber.-Langensalza, 1906+
CC. [4-6].

School of mines quarterly. Q. Vol. 1+ November 1879+ N. Y., 1879+
Contents and index. Vol. 1-10 in Vol. 10. N. Y., 1890.
Contents and index. Vol. 11-20. 1889-1899. N. Y., 1900.
General index. Vol. 21-30. 1899-1909 in Vol. 31. N. Y., 1910.
CE. 1+; **CC.** 1+; **C.** 1+; **E.** 1+; **S.** 28+

Schweickhart's zeitschrift für das gas-und wasserfach. W. Vol. 1-12, no. 14. 1895(?)-1906. Wien, 1895(?)-1906.
Ceased publication.
N. 4-12.

Schweizerische bauzeitung. W. Vol. 1+ 1883+ Zürich, 1883+
C. 1+; **N.** [20], 47+; **E.** 55+; **CE.** 57+

Schweizerische elektrotechnische zeitschrift. W. Year 1+ 1904+ Zürich, 1904+
N. 1+; **E.** 1-2, 4-6, [7].

Schweizerischer Elektrotechnischer Verein.
Bulletin. M. Vol. 1+ 1910+ Zürich, 1910+
E. 1+

Science. W. Vol. 1-23, 1883-1894; New ser. Vol. 1+ 1895+ N. Y., 1883+
From 1883-1885 published in Cambridge. No publication from March 23-December 31, 1894.
Since 1901 has published the official notices and Proceedings of the American Association for the Advancement of Science.
CC. 1-23, New ser. 1+; **N.** 1-23, New ser. 1+; **C.** 1-23, New ser. 1-33, 35+; **P.** 1-23, New ser. 1-11, 17+; **E.** 1-12, New ser. 7-8, 14+; **S.** New ser. 2, 4, 13+; **CE.** 1-16, [17], New ser. 15-26.

Science abstracts. M. Vol. 1+ 1898+ Lond., 1898+
Continuation of Abstracts of physical papers from foreign sources of the Physical Society of London.
Since 1903 issued in two sections: A. Physics, B. Electrical engineering.
C. 1+; **E.** 1+; **N.** 1+; **P.** 1+; **CC.** 8+; **S.** 13+

Science & art of mining. B-W. Vol. 1+ 1890+ Wigan, 1890+
E. [18-19], 20+

Science and industry. M. Vol. 1-8, no. 3. 1896-1903. Scranton, Pa., 1897-1903.
Vol. 2-3 (1896-1898) title reads Home study magazine.
In 1899 (Vol. 4) Home study magazine combined with Home study for machinists, steam engineers, etc., and title became Mechanic arts magazine.
In 1899 Steam electric magazine and Building trades magazine combined with Science and industry.
In 1903 consolidated with Power.
N. [1], 2-8.

Science conspectus *See* Massachusetts Institute of Technology. Society of Arts. Science conspectus.

Science record. Y. Vol. 1-5. 1871-1875. N. Y., 1872-1876.
No more published.
S. 1-4.

Scientific American. W. Vol. 1-14, 1845-1859; New ser. Vol. 1+ 1860+
Since July 1888 the words New series has been dropped.
C. 2-14, New ser. 1+; E. 2-14, New ser. 1+; S. 2-14, New ser. 1-5, 7, 9+; CE. 2-7, 10-14, New ser. 1+; P. 4, 9-14, New ser. 4, 9, 17, 26+

Scientific American supplement. W. Vol. 1+ 1876+ N. Y., 1876+
Catalogue. 1876-1902. N. Y., n.d.
CE. 1+; C. 1+; E. 1+; S. 1+; P. 11+

Scientific arena. M. Vol. 1. June 1886-May 1887. N. Y., 1886-1887.
Organized in 1881 under the title of Wilford's micricosm.
No more information available.
E. 1.

Scientific artizan. W. Vol. 1-3, no. 14. 1859-1860. Cincinnati, 1859-1860.
No more information available.
N. [1-3].

Scientific digest. M. Vol. 1, nos. 1-5. December 1911-April 1912. Kansas City, Mo., 1911-1912.
No more published.
E. 1.

Scientific gazette; or, Library of mechanical philosophy, chemistry, and discovery. Nos. 1-31. 1825-1826. 2 vols. Lond., 1825-1826.
E. 1-18.

Scientific machinist for superintendents, engineers and operators of power and electric plants. M. Vol. 1-16. 1882-1898. Cleveland, 1882-1898.
In September 1898 incorporated with Engineer (Cleveland).
N. [12-14], 15-16.

Scientific memoirs, selected from the Transactions of foreign academies of science and learned societies and from foreign journals. Pts. 1-21 (Vol. 1-5). 1837-1852. Lond., 1837-1852.
Continued in two series (1) Natural history, (2) Natural philosophy of which only one volume each was issued.
N. 1-21; S. 1-20; E. 1-18.

Scientific press *See* Mining and scientific press.

Second hand machinery and equipment news. M. Vol. 1, nos. 1-5. July-December 1913. Cleveland, O., 1913.
In 1914 consolidated with Iron trade review.
E. 1.

Seifenfabrikant. W. Vol. 1+ 1881+ Ber., 1881+
Organ des Verbandes der Seifenfabrikation.
N. 17+; CC. 30+

Seifensieder-zeitung & revue über die harzfett- und ölindustrie. W. Vol. 1+ 1874+ Augsburg, 1874+
CC. 38+

Selling electricity *See* Electrical-merchandise and selling electricity.

Shaffner's telegraph companion. M. 1853, nos. 1-2; Vol. 1-2, no. 4, 1854-October 1855. Louisville, Ky.,-N. Y., 1853-1855.
Two numbers were printed in Louisville.
No more published.
E. 1-2.

Sheet metal shop and pattern cutter's magazine. M. Vol. 1+ 1910+ N. Y., 1910+
N. 1+

Shipbuilder. M. Vol. 1+ 1906+ Newcastle-on-Tyne, 1906+
E. [6], 7+

Shipbuilder.
Annual international number. Y. 1912+ Newcastle-on-Tyne, 1912+
E. 1912+

Shipbuilding and shipping record. W. Vol. 1+ April 1913+ Lond., 1913+
E. 1+

Shipping illustrated. W. Vol. 1+ 1902+ N. Y., 1902+
Vol. 1-11 (1902-1904) title reads American syren and shipping illustrated.
CE. [2], 3-5, [6-7], 8+; E. 42+

Shipping world and herald of commerce. Y. Vol. 1+ 1883+ Lond., 1883+
C. 1-3, 26.

Siam engineering *See* Engineering Society of Siam. Siam engineering.

Sibley journal of engineering. 9 nos. Y. Vol. 1+ 1887+ Ithaca, N. Y., 1887+
Vol. 1-5 (1887-1891) title reads the Crank.
Vol. 6 (1891-1892) title reads the Crank. Sibley journal of engineering.
E. [6-8], 9+; N. [10], 11+; C. 27+

Signal engineer. M. Vol. 1+ 1908+ Chic., 1908+
E. 1+; N. [1-3], 4+; S. [1-2].

Silk. M. Vol. 1+ 1907+ N. Y., 1907+
E. [4-5].

Silliman's journal of science *See* American journal of science.

Soap gazette and perfumer. M. Vol. 1+ 1899+ N. Y., 1899+
N. [1-2], 3+

Sociedad Cientifica "Antonio Alzate."
Memorias. Irreg. Vol. 1+ July 1887+ Mexico, 1887+
Revista cientifica y bibliografica bound with the Memorias since 1888.
Indice general de la Memorias y Revista. Vol. 1-27. 1887-1909 in Vol. 27. Mexico, n.d.
E. 1+; **CE.** 2+; **CC.** 1, [2], 3-7, [9], 11.

Sociedad Cientifica "Antonio Alzate."
Revista cientifica y bibliografica. Irreg. 1888+ Mexico, 1888+
Bound with the Memorias.
Indice general de la Memorias y Revista. Vol. 1-27. 1887-1909 in Vol. 27. Mexico, n.d.
CE. 1888+; **E.** 1888+

Sociedad Cientifica Argentina.
Anales. M. Vol. 1+ 1876+ Buenos Aires, 1876+
Indice general. Vol. 1-29. 1876-1889. Buenos Aires, 1890.
Indice general. Vol. 1-40. 1876-1896. Buenos Aires, 1897.
CE. 1+; **E.** [67], 68-69, [70], 71, [72], 73+; **N.** [9-11], 19-20, [22-25].

Sociedad Colombiana de Ingenieros.
Anales de ingenieria. M. Vol. 1-10, 1887-1898; Ser. 2a, Vol. 11-20, 1899-1913; Ser. 3a, Vol. 21+ Bogota, 1887+
Indice. Vol. 1-10. 1888-1898. Bogota, 1899.
Indice. Vol. 11-20. 1899-1913. Bogota, 1913.
CE. 1+; **E.** Ser. 2a, 13+; **N.** 1-4, [6, Ser. 2a, 16-17].

Sociedad de Fomento Fabril.
Boletin. M. Vol. 1+ 1883+ Santiago de Chile, 1883+
N. [25], 27+; **E.** 30+

Sociedad de Ingenieros.
Boletin. Informaciones y memorias. M. Vol. 1+ 1899+ Lima, 1899+
Indice general. Vol. 1-13 in Vol. 14, no. 8. Lima, 1912.
E. [4], 9, [10-14], 15+; **CE.** 9, [10]; **C.** [12], 13+

Sociedad de Ingenieros Civiles de la República Argentina. Ingeniero civil *See* Ingeniero civil.

Sociedad de Injeniería.
Boletin. Irreg. Vol. 1-4. 1896-1899. Santiago, 1896-1899.
In 1901 consolidated with the Instituto de Injenieros and formed the Instituto de Injenieros de Chile.
CE. 1-4.

Sociedad Geológica Mexicana.
Boletin. Irreg. Vol. 1+ 1904+ Mex., 1905+
E. 1+

Sociedad Guanajuatense de Ingenieros.
Boletin. Irreg. Vol. 1-3, no. 3. 1888-March 1893. Guanajuato, 1888-1893.
No more information available.
E. [1-2], 3.

Sociedad Guatemalteca de Ciencias.
Revista mensual. M. Vol. 1-2, no. 9. 1893-1894. Guatemala, 1893-1894.
No more information available.
CE. [1-2]; **E.** [1-2].

Sociedad Nacional de Mineria.
Boletin. M. Vol. 1-5, 1883-1888; Ser. 2, Vol. 1-8, 1888-1896; Ser. 3, Vol. 9+ 1897+ Santiago de Chile, 1883+
E. Ser. 2, [3-4], 5-6, [7], 8, Ser. 3, 9, [10], 11-13, [14-15], 16-20, [21-22], 23+

Società Aeronautica Italiana.
Bollettino. M. Vol. 1-8, no. 3. 1904-May 1911. Roma, 1904-1911.
No more published.
In November 1912 began to be published again under the title of La navigazione aerea which is the official organ of the Aero Club d'Italia.
E. 6-8; **N.** [5-6].

Società Chimica di Roma.
Rendiconti. 14-19 nos. Y. Vol. 1+ 1903+ Roma, 1903+
Published and bound with Gazzetta chimica Italiana.
N. 1+

Società degli Ingegneri e degli Architetti Italiani.
Annali. S-M. Vol. 1+ 1886+ Roma, 1886+
In 1908 the Bollettino combined with the Annali.
N. 1+; **CE.** 7-19, [20], 21+

Società degli Ingegneri e degli Architetti Italiani.
Bollettino. W. Vol. 1-15. 1893-1907. Roma, 1893-1907.
Continued with the Annali.
N. 9-15; **CE.** 12-14, [15].

Société Belge de Géologie de Paléontologie et d'Hydrologie.
Bulletin. Irreg. Vol. 1+ 1887+ Bruxelles, 1887+
Issued in two sections: Procès-verbaux, and Mémoires, and bound with the Bulletin.
E. 1+; **N.** 1-7.

Société Belge de Géologie de Paléontologie et d'Hydrologie.
Nouveaux mémoires. Irreg. No. 1+ 1908+ Bruxelles, 1908+
E. 1, 3+; **N.** 3-4.

Société Belge d'Electriciens.
Bulletin. M. Vol. 1+ 1884+ Bruxelles, 1884+
N. 1+; **E.** [1-3], 4, 6-7, 10, 21+

Société Chimique de Belgique.
Bulletin. M. Vol. 1+ 1887+ Gand, 1887+
From 1887-1903 known as the Association Belge des Chimistes.
N. 12+; **E.** 22+

Société Chimique de France.
Bulletin. S-M. 1858-1863, New ser. Vol. 1-50, 1864-1888; Ser. 3, Vol. 1-36, 1889-1906; Ser. 4, Vol. 1+ 1907+ Par., 1858+
From 1858-1863 title reads Répertoire de chimie appliquée and Répertoire de chimie pure. These two publications unite in 1864 and form the Bulletin. The name of the Society then was Société Chimique de Paris, which was retained until 1907.
Table analytique des matières. Ser. 1-2. 1858-1874. Par., 1876.
Table alphabetique des matières. 1875-1888. Par., 1894.
Table alphabetique des matières. 1889-1898. Par., 1903.
Table alphabetique des matières. 1899-1906. Par., 1906.
N. 1858-1863, New ser. 1-50, Ser. 3, 1-36, Ser. 4, 1+; **CC.** 1861-1863, New ser. 1-50, Ser. 3, 1-36, Ser. 4, 1+; **C.** New ser. 1-50, Ser. 3, 1-36, Ser. 4, 1+; **S.** New ser. 9-12, 31-50, Ser. 3, 18, 33-36, Ser. 4, 1-4; **E.** Ser. 3, 33-36, Ser. 4, 1+

Société Chimique de Paris.
Répertoire de chimie appliquée. Vol. 1-5. 1858-1863. Par., 1858-1863.
In 1864 together with the Répertoire de chimie pure formed the Bulletin.
For the Bulletin see under the later name of the Society, Société Chimique de France.
CC. 1-5; **C.** 1-5; **N.** 1-5.

Société Chimique de Paris.
Répertoire de chimie pure. Vol. 1-4. 1858-1862. Par., 1858-1862.
In 1864 together with the Répertoire de chimie appliquée formed the Bulletin.
For the Bulletin see under the later name of the Society, Société Chimique de France.
CC. 1-4; **C.** 1-4; **N.** 1-4.

Société d'Arcueil.
Mémoires de physique et de chimie. Vol. 1-3. 1807-1817. Par., 1807-1817.
No more information available.
N. 1-3.

Société de Géographie de Québec *See* Geographical Society of Quebec.

Société de l'Industrie Minérale.
Bulletin. M. Vol. 1-15, 1855-1871; Ser. 2, Vol. 1-15, 1872-1886; Ser. 3, Vol. 1-15, 1887-1901; Ser. 4, Vol. 1-15, 1902-1911; Ser. 5, Vol. 1+ 1912+ Saint-Etienne, 1855+
Atlas of plates published nearly every year.
Table des matières. Vol. 1-15 in Ser. 1, Vol. 15. 1855-1870. Par., 1870.
Table analytique matières. Ser. 2, Vol. 1-15. 1871-1886. n.p., n.d.
Table analytique matières. Ser. 3, Vol. 1-15. 1887-1901. n.p., n.d.
Table générale des matières du Bulletin. Ser. 4, Vol. 1-15. 1902-1911 et dans les Comptes rendus mensuels. 1902-1911. Saint-Etienne, 1912.
C. 1-15, Ser. 2, 1-15, Ser. 3, 1-15, Ser. 4, 1-15, Ser. 5, 1+; **E.** 1-15, Ser. 2, 1-15, Ser. 3, 1-15, Ser. 4, 1-15, Ser. 5, 1+; **N.** 1, Ser. 3, 11-15, Ser. 4, 1-15, Ser. 5, 1+; **CE.** Ser. 4, [3], 6-15, Ser. 5, 1+

Société de l'Industrie Minérale.
Comptes-rendus mensuels. M. 1876+ Saint-Etienne, 1876+
Since 1909 bound with the Bulletin.
Table des matières. 1872-1877. n.p., n.d.
Table générale des matières du Bulletin. Ser. 4, Vol. 1-15. 1902-1911 et dans les Comptes rendus mensuels. 1902-1911. Saint-Etienne, 1912.
C. 1876-1904, 1907+; **E.** [1877, 1879], 1880-1892, [1893], 1894-1895, [1896], 1897-1899, [1900], 1901+; **N.** 1897+; **CE.** [1906], 1907+

Société d'Encouragement pour l'Industrie Nationale.
Bulletin. M. Vol. 1+ 1802+ Par., 1802+
Table générale. Vol. 1-36. Par., 1838.
Table générale. Vol. 37-49. Par., 1851.
Table générale. Vol. 50-52. 1838-1851. Par., 1854.
Table générale des matières. 1854-1863. Par., 1865.
Table générale des matières. 1864-1873. Par., 1874.
Table générale des matières. 1874-1883. Par., 1889.
Table générale des matières. 1884-1893. Par., 1895.
Table générale des matières. 1894-1900. Par., 1902.
C. 1+; **E.** 1+; **N.** 1+; **CE.** 108+; **CC.** 113+

Société d'Encouragement pour l'Industrie Nationale.
Mémoires. Irreg. 1901+ Par., 1901+
CE. 1901-1906.

Société des Anciens Elèves des Ecoles Nationales d'Arts et Metièrs.
Bulletin technologique. M. 1888+ Par., 1888+
N. [1888], 1897+

Société des Ingénieurs Civils de France.
Mémoires et travaux. M. 1848+ Par., 1848+
Table générale des matières. 1848-1884. Par., 1885.
Table générale des matières. 1885-1904. Par., 1905.
CE. 1848+; **N.** 1848+; **C.** 1868+; **E.** 1875+; **S.** 1875-1880.

Société Française de Mineralogie.
Bulletin. Irreg. Vol. 1+ 1878+ Par., 1878+
Tables. Vol. 1-10. 1878-1887.
Tables. Vol. 11-20. 1888-1897.
Tables. Vol. 21-30. 1898-1907.
N. 20+; **E.** 30+

Société Française de Photographie.
Bulletin. S-M. Vol. 1-30, 1855-1884; Ser. 2, Vol. 1+ 1885+ Par., 1885+
CC. Ser. 2, 24+

Société Française de Physique.
Bulletin des séances. Irreg. Vol. 1+ 1874-1910. Par., 1874-1910.
No more published.
Proceedings now published in Journal de physique théorique et appliquée.
E. 27-31, 33-37.

Société Française de Physique.
Collection de mémoires relatifs à la physique. Irreg. Vol. 1+ 1884+ Par., 1884+
N. 1-5.

Société Géologique de Belgique.
Annales. Irreg. Vol. 1+ 1874+ Liége, 1874+
Each volume consists of three parts: Bulletin, Mémoires, Bibliographie.
N. 1-34, 37+; E. 30+

Société Géologique de Belgique.
Mémoires. Irreg. Vol. 1+ 1899+ Liége, 1899+
N. 1+; E. 2+

Société Géologique de France.
Bulletin. Irreg. Vol. 1-14, 1830-1843; Ser. 2, Vol. 1-29, 1844-1872; Ser. 3, Vol. 1-28, 1872-1900; Ser. 4, Vol. 1+ 1901+ Par., 1830+
Table générale et analytique. Ser. 2, Vol. 1-20. 1844-1863. Par., 1867.
N. 1-14, Ser. 2, 1-29, Ser. 3, 1-28, Ser. 4, 1+; E. 1-14, Ser. 2, 1-29, Ser. 3, 1-8, 10-28, Ser. 4, 1+

Société Géologique de France.
Mémoires. Irreg. Vol. 1-5, 1833-1842; Ser. 2, Vol. 1-10, 1844-1877; Ser. 3, Vol. 1-5, 1877-1890; Paleontologie, Vol. 1+ 1890+ Par., 1833+
N. 1-5, Ser. 2, 1-10, Ser. 3, 1-5, Pal. 1+; E. 1-5, Ser. 2, 1-9.

Société Géologique du Nord.
Annales. Y. Vol. 1+ 1870+ Lille, 1870+
Table générale. Vol. 1-20 des Annales et Vol. 1-3 des Mémoires. 1870-1892. Lille, 1893.
Table générale. Vol. 21-30 des Annales et Vol. 4 des Mémoires. 1893-1901 in Vol. 30-33.
N. 26+; E. 8, 32+

Société Géologique du Nord.
Mémoires. Irreg. Vol. 1+ 1876+ Lille, 1876+
N. 1, 4+

Société Industrielle de L'Est.
Bulletin. M. Vol. 1+ 1884(?)+ Nancy, 1884(?)+
E. [23-24, 26], 27+

Société Industrielle de Mulhouse.
Bulletin. M. Vol. 1+ 1826+ Mulhouse, 1826+
Table générale. Vol. 1-60. 1826-1890. Strasbourg, 1891.
C. 1-75, 77+; N. 26+; CC. 34-35, [36], 37-73, [74], 75-76, [77], 79+; E. 72+

Société Industrielle de Rouen.
Bulletin. B-M. Vol. 1+ 1873+ Rouen, 1873+
Tables générale. Vol. 1-10. 1873-1882. Rouen, 1883.
Tables générale. Vol. 1-16. 1873-1888. Rouen, 1889.
N. 5-20, 25+; CC. 1-24, [25], 26-36, [37], 38-39, [40].

Société Industrielle du Nord de la France.
Bulletin. M. Vol. 1+ 1873+ Lille, 1873+
Author index. 1873-October 1902 in Vol. 30. Lille, 1903.
N. 29-35, 37+

Société Internationale des Electriciens.
Bulletin. M. Vol. 1-17, 1884-1900; Ser. 2, Vol. 1-10, 1901-1910; Ser. 3, Vol. 1+ 1911+ Par., 1884+
Table générale des matiéres. Ser. 2. 1901-1910. Par., 1914.
C. 1-17, Ser. 2, 1-10, Ser. 3, 1+; E. 1-17, Ser. 2, 1-10, Ser. 3, 1+; N. 1-17, Ser. 2, 1-10, Ser. 3, 1+

Société Scientifique Industrielle de Marseille.
Bulletin. Irreg. Vol. 1+ 1873+ Marseille, 1873+
Table générale alphabétique des matières et des auteurs. Vol. 11-20. 1883-1892 in Vol. 20. Marseille, 1892.
N. 25+; E. 31-37.

Société Technique de l'Industrie du Gaz en France.
Compte-rendu du congrès. Y. 1st+ 1874+ Par., 1874+
Table des matières. Vol. 1-15. 1874-1888. Par., 1888.
E. 1st-36th, 40th; N. 1st-26th, [27th], 28th-35th.

Société Technique de l'Industrie du Gaz en France *See* Journal des usines à gaz.

Society for the Encouragement of Arts, Manufactures and Commerce *See* Royal Society of Arts.

Society for the Promotion of Engineering Education.
Bulletin. M. Vol. 1+ 1910+ Lancaster, Pa., 1910+
Vol. 4, no. 11 contains Index of the Proceedings. Vol. 1-20. 1893-1912. Pittsburgh, Pa., 1914.
CE. 1+; S. [1], 2+; E. [1-2], 3+; C. [2], 3+

Society for the Promotion of Engineering Education.
Proceedings. Y. Vol. 1+ 1894+ v.p., 1894+
Index. Vol. 1-10 in Vol. 10. 1902.
Index of the Proceedings. Vol. 1-20. 1893-1912. Pittsburgh, 1914 in Bulletin Vol. 4.
CE. 1+; C. 1+; E. 1+; S. 1+

Society of Arts *See* Royal Society of Arts.

Society of Arts. Massachusetts Institute of Technology *See* Massachusetts Institute of Technology. Society of Arts.

Society of Automobile Engineers.
Bulletin. M. Vol. 1+ April 1911+ N. Y., 1911+
E. [1], 2+

Society of Automobile Engineers.
Transactions. Y. Vol. 4+ 1909+ N. Y., 1909+
There was no official publication until Vol. 4 which was published in 1909. The first three volumes are made up of several small pamphlets.
E. [3], 4+

Society of Brewing Technology *See* American Society of Brewing Technology.

Society of Chemical Industry.
Journal. S-M. Vol. 1+ 1882+ Manchester,-Lond., 1882+
Continuation of the Proceedings. Vol. 1-20 issued monthly.
In 1883 incorporated Newcastle-upon-Tyne Chemical Society.
Collective index. Vol. 1-14. 1882-1895. Lond., 1899.
Decennial index. Vol. 15-24. 1896-1905. 2 vols. Lond., 1907-1908.
CC. 1+; C. 1+; E. 1+; P. 1+; S. 1+; CE. [29], 30.

Society of Chemical Industry.
Proceedings of general meeting. Y. 1st. 1881. Lond., 1881.
Continued as the Journal.
E. 1st.

Society of Constructors of Federal Buildings.
Journal. M. No. 1-12, Vol. 4+ 1910+ Plymouth, Mass., 1910+
Until February 1912 known as the Treasury Construction Society.
CE. 1-12, 4+; E. 12, [4-5], 6+

Society of Dyers and Colourists.
Journal. M. Vol. 1+ 1884+ Leeds, 1884+
CC. 5+; N. 21-27.

Society of Engineers.
Journal and Transactions. M. Vol. 1+ 1910+ Lond., 1910+
E. [1], 2+

Society of Engineers.
Transactions. Y. 1861+ Lond., 1861+
In 1910 incorporated Civil and Mechanical Engineers' Society.
Index to Transactions. 1861-1909 in volumes 1886+ Lond., 1887+
CE. 1861+; E. 1861+; N. 1861+ P. 1883.

Society of Gas Lighting.
Transactions. Irreg. 1876+ n.p., 1876+
CC. 1876, 1885-1891; CE. 1877, 1883.

Society of Mechanical Engineers, Tokyo, Japan.
Journal. Y. Vol. 1+ 1897+ Tokyo, 1897+
E. 1+

Society of Naval Architects and Marine Engineers.
Transactions. Y. Vol. 1+ 1893+ N. Y., 1893+
Table of contents. Vol. 1-6. N. Y., n.d.
CE. 1+; E. 1+

Society of Patent Agents.
Journal. M. Vol. 1-3. 1900-1902. Lond., 1900-1902.
No more information available.
CE. 1-3.

Society of Public Analysts and Other Analytical Chemists.
Analyst. M. Vol. 1+ 1877+ Lond., 1877+
General index to the proceedings. Vol. 1, 1876 and to the Analyst. Vol. 1-20. 1877-1896. Lond., 1897.
General index. Vol. 21-30. 1896-1905. Lond., 1906.
CC. 1+; N. 1+; E. 32+

Society of Public Analysts and Other Analytical Chemists.
Proceedings. M. Vol. 1. 1876. Lond., 1876.
Continued as the Analyst.
CC. 1.

Society of Telegraph Engineers *See* Institution of Electrical Engineers.

Sound waves. M. Vol. 1-15, no. 1. November 1900-January 1908. Chic., 1900-1908.
In February 1908 consolidated with American telephone journal.
E. [5], 6-15; N. [7-14], 15.

South African Association for the Advancement of Science.
South African journal of science. M. Vol. 6+ 1909+ Cape Town, 1909+
Up to 1909 no monthly journal was published. There were five volumes of Reports issued, containing the papers read at the annual sessions of the Association, which from volume six were issued in a monthly publication called the South African journal of science. They are bound each year as the annual volumes of Reports.
E. 6+; CC. 10.

South African Association of Engineers and Architects.
Proceedings. M. Vol. 1-16, no. 4. 1892-January 1910. Johannesburg, 1892-1910.
In February 1911 the South African Association of Engineers and Architects combined with the Transvaal Institute of Mechanical Engineers and formed the South African Institute of Engineers, retaining the volume number of the Transvaal Institute of Mechanical Engineers.
C. 1-10, 12, 14-16; CE. 1-14; E. 3-5, 14-16.

South African engineering. M. Vol. 1+ 1903+ Lond., 1903+
Incorporates South African export list.
E. 4+; CE. [5], 6-8, [9-10].

South African Institute of Electrical Engineers.
Transactions. M. Vol. 1+ November 1909+ Johannesburg, 1909+
E. 1+

South African Institute of Engineers.
Journal. M. Vol. 9, no. 5+ December 1910+ Johannesburg, 1910+
In February 1911 the South African Association of Engineers and the Transvaal Institute of Mechanical Engineers united and formed the South African Institute of Engineers, retaining the volume number of the Transvaal Institute of Mechanical Engineers.
E. 9+; **C.** [11], 12+

South African journal of science *See* South African Association for the Advancement of Science. South African journal of science.

South African mines *See note* South African mining journal.

South African mining journal. W. Vol. 1-6; Vol. 1+ 1891+ Johannesburg, 1891+
In October 1891 Witwatersrand mining and metallurgical review was incorporated with South African mining journal.
South African mines was incorporated with South African mining journal in March 1903. The volume number of South African mines is retained, and title reads South African mines, commerce and industries until March 1908, when it changes to South African mining journal.
E. [1-4, 6], [2-3], 4+; **N.** [6 (1908)]

South Dakota Engineering Society.
Annual report, proceedings of the Society at the annual meeting. Y. 1st+ 1911+ Mitchell, S. D., 1911+
E. 1st+

South New Jersey Woodmen's Association *See* American Forestry Association. American forestry.

South Staffordshire Institute of Iron & Steel Works' Managers *See* Staffordshire Iron and Steel Institute.

South Wales Institute of Engineers.
Proceedings. Irreg. Vol. 1+ 1857+ Lond., 1857+
Vol. 1-18 (1857-1893) title reads Transactions.
Contents of Proceedings and indexes to papers and authors. Vol. 1-25. 1857-1908. Lond., 1908.
Contents of Proceedings and indexes to papers and authors. Vol. 26-28. 1908-1912. Lond., 1913.
C. 1+; **N.** 1+; **E.** 1-21, 25+

Southern and Southwestern Railway Club.
Constitution and proceedings. Q. Vol. 1+ 1891+ Atlanta, Ga., 1891+
E. [1-4], 5, [6-7, 11], 12+; **CE.** [1-10].

Southern electrician *See* Electrical engineering (Atlanta).

Southern engineer. M. Vol. 1+ 1904+ Atlanta, Ga., 1904+
N. [7], 8-10, [11], 12, [13]; **E.** [21], 22+

Southern good roads. M. Vol. 1+ 1910+ Lexington, N. C., 1910+
C. 1+

Southern machinery. M. Vol. 1-12, no. 2; 25, no. 3+ 1893(?)+ Atlanta, 1893(?)+
In 1911 incorporates Modern machinery, retaining the volume number of Modern machinery making volume 25, no. 3, follow volume 12, no. 2.
CE. 12, 25+; **N.** 12, 25+; **E.** 32+

Southern Railway Time Convention *See* American Railway Association. Proceedings.

Southern Society of Civil Engineers.
Proceedings, annual reports, with professional papers. 1885-1886. Jacksonville, 1887.
No more information available.
CE. 1885-1886.

Southwestern Electrical and Gas Association.
Proceedings and question box, annual convention. Y. 1st+ 1905+ v.p., 1905+
E. 4th+

Southwestern electrician. M. Vol. 1+ 1905+ Houston, Tex., 1905+
E. 1-3, [4], 5+

Southwestern mines. M. Vol. 1-2. 1909-1910. Albuquerque, N. Mex., 1909-1910.
Discontinued.
E. [1-2].

Sozial-technik. S-M. Vol. 1+ 1901+ Ber., 1901+
Vol. 1-6 title reads Gewerblich-technischer ratgeber.
E. 1+

Spokane miner and electrician *See* Miner and electrician.

Spokesman of the carriage and associated trades. Vol. 1+ 1884+ Cincinnati, 1884+
N. 21-27.

Spolek Architektův a Inženýrů v Království Českém.
Technický obzor. W. Vol. 1+ 1893+ Praze, 1893+
Seznam (Autorský I Věcný). Vol. 1-17. 1893-1909 in Vol. 17. Praze, 1909.
E. [13-16], 17+; **N.** [2-3], 5-6, [7], 8-9.

Spolek Architektův a Inženýrů v Království Českém.
Zprávy. Q. Vol. 1-36. 1866(?)-1902. Praze, 1866(?)-1902.
No more published.
N. 16, [17], 18-20, [21], 22-23, [24, 26], 27, [28], 29-30, [31-32], 33, [34-36].

Sprechsaal. W. Vol. 1+ 1867+ Coburg, 1867+
N. 30+; **E.** 42+

Sprengstoffe, waffen-und munition. S-M. Vol. 1+ 1905+ Charlottenburg, 1905+
E. 4+

Stabilimento di esperienze e construzioni aeronautiche del genio. Irreg. Vol. 1+ 1911+ Roma, 1911+
E. 1+

Staffordshire Iron and Steel Institute.
Proceedings. Irreg. Vol. 1+ 1888+ Stourbridge, 1888+
Vol. 1-14 (1888-1899) known as the South Straffordshire Institute of Iron & Steel Works' Managers.
E. 6+; N. 11-25, 27+

Stahl und eisen. S-M. Vol. 1+ July 1881+ Düsseldorf, 1881+
Ergänzung. Jahrbuch für das eisenhüttenwesen.
Gesamt-inhaltsverzeichnis. Vol. 1-26. 1881-1906. Düsseldorf, 1908.
C. 1+; E. 1+; CC. 3+; N. [2-3], 5+; CE. 10+

Stahl und eisen.
Ergänzung. Jahrbuch für das eisenhüttenwesen. Y. Vol. 1-5. 1900-1904. Düsseldorf, 1902-1907.
CC. 1-5; E. 1-5; CE. 2-5.

Stationary engineer. M. Vol. 1-17. 1882-1897. Chic., 1882-1897.
In 1897 combined with Safety valve and Lord's power magazine and formed Engineer's and power users' magazine.
N. 10, [11, 15-16]; E. 16-17.

Statistical Society of London *See* Royal Statistical Society.

Steam. M. Vol. 1+ 1908+ N. Y., 1908+
S. 1+; E. [1-2], 3+; N. [3], 4, [5].

Steam electric magazine. M. Vol. 1-3, no. 9. 1897-1899. Scranton, Pa., 1898-1899.
Vol. 1-2 (1897-1898) title reads Home study for electrical workers.
In 1899 combined with Science and industry.
N. 1-3.

Steam engineering. M. Vol. 1-4. 1899-1903. N. Y., 1899-1903.
Continuation of Engineers' and power users' magazine.
In September 1903 incorporated with Engineer (Chicago).
CE. 2.

Steam shovel news *See* Excavating engineer.

Steamship. M. Vol. 1+ 1889+ Leith, 1889+
E. [19], 20+; N. [18-20].

Steel and iron. W. Vol. 1-78; Year 40+ 1862+ Pittsburgh, 1862+
Years 1862-1871 title reads Trade of the west. Years 1872-1874 title reads American manufacturer and trade of the west.
In 1874 the Trade of the west, Manufacturers' review, Iron world, Protectionist and the National oil journal combined and the title became American manufacturer and iron world.
In 1881 the Hardware reporter was consolidated with American manufacturer and iron world.
Incorporated as Industrial world in 1906 and continued under that title until September 1914 (Vol. 48, no. 34).
CE. 12-45; N. [32-37], 38, [39-40, 43], 44-48, [51-53], 55, [58], 59-78, Year 40, [41-42], 43+; E. 12-67, [68-70], 71-78, Year 40-41, [42-43], 44+; C. 34-48, 60-78, Year 47+; CC. 12, 15, [50], 51, [52], 53, [57-59, 63], 64, [65], 66, [68-69], 70-78, Year 40+

Steel and metal digest. M. Vol. 1+ April 1911+ N. Y., 1911+
E. 1+

Stein und mörtel *See* Ziegel-und bau-industrie.

Steinbruch, zeitschrift für die kenntnis und verwertung natürlicher gesteine. W. Vol. 1+ 1906+ Ber., 1906+
N. 3+

Stevens indicator. Q. Vol. 1+ 1884+ Hoboken, N. J., 1884+
Vol. 1-3 published monthly.
Vol. 16, no. 2-Vol. 27, no. 2 (April 1899-April 1910) title reads Stevens Institute indicator.
General index. Vol. 1-23 in Vol. 23.
S. [1-2], 4+; E. 4+; C. 5-11, 17+; CE. [5], 6-15, [16], 17+; P. 11+

Stone. M. Vol. 1+ 1888+ N. Y., 1888+
Ceased publication in 1903; began again in April 1907 (Vol. 27, no. 5).
E. 2-26, [27-28], 29+; N. [5-6], 14+; C. 3-23, 25; CE. [6-8], 9, [10, 15, 18], 19-25, [26].

Stone & Webster public service journal. M. Vol. 1+ July 1907+ Bost., 1907+
E. 1+; N. 1+; C. 3-6, 8+

Strassenbau. T-M. Vol. 1+ 1910+ Halle a S., 1910+
C. 2+

Street railway and electrical news. M. Vol. 1-5. October 1891-1894. Minneapolis, 1891-1894.
No more published.
E. [2-4], 5.

Street Railway Association of the State of New York *See* New York Electric Railway Association.

Street railway bulletin. M. Vol. 1+ 1902+ N. Y., 1902+
N. [3-4], 5+; E. [5], 6, [7], 8+

Street. Railway Claim Agents' Association of America *See* American Street and Interurban Railway Association.

Street railway gazette *See* Electric railway gazette.

Street railway journal. W. Vol. 1-31. November 1884-May 1908. N. Y., 1884-1908.
Consolidated with Electric railway review in June 1908 and formed Electric railway journal, retaining the volume number of the Street railway journal.
General index. Vol. 1-22. 1884-1903. N. Y., 1904.
Annual supplement: McGraw electric railway manual.
E. 1-31; CE. 1-2, [3], 4-31; C. 2, 4-31; N. [5], 6-31; S. 29-31.

Street railway news. W. Vol. 1-2, no. 17. 1891-1892. N. Y., 1891-1892.
No more information available.
E. [1], 2.

Street railway review *See* Electric railway review.

Structural Association of San Francisco.
Proceedings. S-M. Vol. 1-2, no. 11. 1906. San Francisco, 1906.
No more published.
Association no longer exists.
CE. [1-2].

Sucrerie indigène et coloniale. S-W. Vol. 1+ 1866+ Par., 1866+
CC. 1-19, [20], 21-23, [24-25]; **E.** 83, [84].

Sugar. M. Vol. 1+ 1899+ Chic., 1899+
Vol. 1-13 title reads American sugar industry and beet sugar gazette.
Vol. 14-15 title reads American sugar industry.
E. [13], 14+

Sugar beet. Q. Vol. 1+ 1880+ Philadelphia, 1880+
CC. 1-12, 22, 24, [26-29], 30-32.

Sugar cane *See* International sugar journal.

Survey. W. Vol. 1+ 1897+ N. Y., 1897+
E. 26+

Survey Club *See* Institution of Surveyors, New South Wales.

Surveying and building news. M. Vol. 1, nos. 1-3. 1884. N. Y., 1884.
No more information available.
E. [1].

Surveyor *See* Institution of Surveyors, New South Wales. Surveyor.

Surveyor, engineer, and architect. M. 1840-1842. Lond., 1840-1842.
E. 1840-1842; **N.** 1842.

Surveyor and municipal and county engineer. W. Vol. 1+ 1892+ Lond., 1892+
C. 17-30; **CE.** 31+; **E.** 43+

Surveyors' Institution.
Transactions. Irreg. Vol. 1+ 1868+ Lond., 1868+
From Vol. 1-14 (1868-1881) known as the Institution of Surveyors.
General index. Vol. 1-23 in Vol. 23.
Index. Vol. 1-42. 1868-1910. Lond., 1910.
N. 29+; **E.** 40, [41], 42+

Svensk kemisk tidskrift. M. Vol. 1+ 1887+ Stockholm, 1889+
N. [1-3], 9+

Swedish Engineers' Society of Chicago.
Yearbook. Y. 1911(?)+ Chic., 1911(?)+
No more information available.
E. 1911, 1913.

Sydney University Engineering Society, New South Wales.
Journal and abstract of proceedings. Irreg. Vol. 1+ 1896+ Sydney, 1896+
CE. 9-11, 13+; **E.** 11+

System. M. Vol. 1+ 1900+ Chic., 1900+
E. [13-15, 22].

Taschenbuch für die gesammte mineralogie. Vol. 1-18. 1807-1824. Frankfurt-am-Main, 1807-1824.
Continued as Zeitschrift für mineralogie.
Repertorium. Vol. 1-5. 1811.
Repertorium. Vol. 6-10. 1817.
Repertorium. Vol. 11-15. 1821.
N. 1-18.

Technic *See* Michigan University. Engineering Society. Michigan technic.

Technical and Engineering Society. Colorado School of Mines *See* Colorado School of Mines. Technical and Engineering Society.

Technical index *See* Revue de l'ingenieur et index technique.

Technical League.
Bulletin. M. Vol. 1-2, no. 8. 1909-1910. N. Y., 1909-1910.
No more information available.
E. 1-2.

Technical League of America.
Journal. M. Vol. 1+ 1913+ N. Y., 1913+
Vol. 1, nos. 1-8 name of Society was American Society of Engineer Draftsmen.
E. 1+

Technical literature *See* Industrial engineering and the engineering digest.

Technical Society of the Pacific Coast.
Transactions. Irreg. Vol. 1+ 1884+ San Francisco, 1884+
C. 1-8, [9-10]; **E.** 1-9, [10]; **N.** 7-10, [11-13]; **CE.** 1-10, 12-13.

Technical world *See* Technical world magazine.

Technical world magazine. M. Vol. 1+ March 1904+ Chic., 1904+
Vol. 1-3 title reads Technical world.
E. 1+; **N.** 1+; **S.** [1], 2-5, [6], 7-12, [13].

Technický obzor *See* Spolek Architektův a Inženýrů v Království Českém. Technický obzor.

Technics. M. Vol. 1-4, no. 20. 1904-August 1905. Lond., 1904-1905.
No more published.
E. 1-4; **P.** 1-3.

Technik und wirtschaft *See* Verein Deutscher Ingenieure. Beiblatt.

Techniker. M. Vol. 1-18, no. 3. 1876-March 1896. N. Y., 1876-1896.
No more information available.
N. 1-18; **CE.** [4], 5-7, [8], 9-10, [11-12].

Technique automobile et aérienne. M. Vol. 1+ 1906+ Par., 1906+
Supplement of Vie automobile.
E. 6+

Technique moderne. M. Vol. 1+ December 1908+ Par., 1908+
E. 1+

Technisch-chemisches jahrbuch. Y. Vol. 1+ 1878+ Ber., 1878+
From 1878-1880 published as the second part of Chemiker-kalender.
N. 1-28; **CC.** 1-28.

Technische auskunft *See* Fortschritte der technik.

Technische literatur. W. Vol. 1-2, no. 11. 1904-1905. Hannover, 1904-1905.
No more information available.
E. 1-2.

Technische monatshefte, zeitschrift für technik, kultur und leben. S-M. Vol. 1+ 1910+ Stut., 1910+
N. 1+

Technisches gemeindeblatt. S-M. Vol. 1+ March 1898+ Ber., 1898+
CE. 1+

Technograph *See* Illinois University. Association of Engineering Societies. Technograph.

Technologist. M. Vol. 1-2. 1870-1871. N. Y., 1870-1871.
No more published.
Continued as Industrial monthly.
C. 1-2; **E.** 1-2; **N.** 1-2; **CE.** 1.

Technologist *See* Deutsch-Amerikanischer Techniker-Verband. Technologist.

Technologiste. M. Vol. 1-69, no. 12. 1839-April 1907. Par., 1839-1907.
Vol. 59-69, no. 12 title reads Le Chauffeur.
No more published.
Table alphabétique et analytique. Vol. 1-20. 1839-1859. Par., 1867.
Table alphabétique et analytique. Vol. 21-30. 1859-1869. Par., 1869.
C. 1-20, 30-68; **N.** 16-69; **CC.** 34-41.

Technology monthly and Harvard engineering journal. M. Vol. 1+ April 1914+ Bost., 1914+
Formed by the consolidation of Harvard engineering journal and Technology monthly in April 1914.
E. 1+

Technology quarterly. M. Vol. 1-21. September 1887-1908. Bost., 1887-1908.
Until 1891 title reads Technology quarterly and Proceedings of the Society of Arts.
Vol. 8-14 includes Vol. 1-7 (April 1895-1901) of the Review of American chemical research.
Ceased publication in December 1908.
CE. 1-21; **C.** 1-21; **E.** 1-21; **CC.** [1-2], 3-21; **S.** [10, 19], 20-21.

Technology review. Q. Vol. 1+ 1899+ Bost., 1899+
CE. 1+; **C.** 1+; **E.** 1+; **S.** 9+

Teknisk Forening. Tidsskrift *See* Teknisk tidsskrift.

Teknisk tidskrift. W. Vol. 1+ 1871+ Stockholm, 1871+
Contains the following sections: Arkitektur, Elektroteknik, Mechanik, Kemi och bergsvetenskap, Skeppsbyggnadskonst, Veckoupplagen, Väg-och vattenbyggnadskonst.
CE. 7+; **E.** 21+; **N.** [21], 27-28, 30+

Teknisk tidsskrift. S-M. Vol. 1+ 1877+ Kjobenhavn, 1877+
Udgivet af den Tekniske Forening og Elektroteknisk Forening.
Published by-weekly until March 1907.
N. 1-19; **CE.** 13+; **E.** 26+

Teknisk ugeblad. W. Vol. 1+ 1883+ Kristiania, 1883+
Continuation of Polyteknisk tidsskrift. Vol. 1-15 (1883-1897) title reads Norsk teknisk tidsskrift.
Published by the Norske Ingeniör-og Arkitekt-Forening and the Polytekniske Forening.
CE. 1+; **E.** 1-15, [16-17], 18, [19], 20+; **N.** 1, 4, [5], 7, [8, 13, 15-17], 18, [19-20].

Tekniska Föreningens i Finland.
Forhandlingar. Vol. 1+ 1880(?)+ Helsingfors, 1880(?)+
N. [11], 21+

Telegrafista. Vol. 1-9. 1881-1889. Roma, 1881-1889.
No more information available.
E. 1-3, 5.

Telegraph age *See* Telegraph and telephone age.

Telegraph and telephone age. S-M. Vol. 1+ 1883+ N. Y., 1883+
Vol. 1-26 title reads Telegraph age.
In 1902 a correction was made in the volume number, hence volumes 19-24 are for years 1896-1901 and also for 1902-1906.
E. 14-24, 19-21, 23+; **N.** [12-13], 19+

Telegraph chronicle and civil service recorder. S-M. Vol. 1+ 1893+ Lond., 1893+
E. [19], 20-27, [28], 29+

Telegraph Electrical Society.
Journal. Irreg. Vol. 1-2, no. 18. 1878(?)-1880. Melbourne, 1878(?)-1881.
No more information available.
E. [2].

Telegraph Electrical Society.
Transactions. 1874-1878. Melbourne, 1875-1878.
No more information available.
E. 1874-1878.

Telegraphen-u. fernsprech-technik. S-M. Vol. 1+ April 1912+ Ber., 1912+
E. 2+

Telegrapher. M. Vol. 1-13, no. 551. September 1864-February 1877. N. Y., 1864-1877.
In 1877 incorporated with Journal of the telegraph.
E. 1-13; **C.** 1-12; **N.** 1-12.

Telegrapher's advocate. S-M. Vol. 1-3, no. 10. 1883-1885. N. Y., 1883-1885.
No more information available.
E. [1, 3].

Telegraphic journal. W. Vol. 1-2. 1864. Lond., 1864.
No more published.
C. 1-2; **E.** 1-2.

Telegraphic journal and electrical review *See* Electrical review (London).

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Telegraphist. Irreg. Vol. 1. February-December 1876. Lond., 1876.
Continuation of St. Martin's magazine.
No more information available.
E. 1.

Telegraphist. M. Vol. 1-3. 1884-1886. Lond., 1884-1886.
No more information available.
E. 1-3.

Telephone (London). B-W. Vol. 1. 1889. Lond., 1889.
No more information available.
E. [1].

Telephone. M. Vol. 1-2, no. 7. March 1897-July 1898. Chic., 1897-1898.
Incorporated with American telephone journal.
No more information available.
E. [1], 2.

Telephone engineer. M. Vol. 1+ 1909+ Chic., 1909+
In September 1910 incorporated the Western telephone journal.
E. 1+; **S.** 4+; **N.** [1], 2, [3-5], 6+

Telephone magazine. M. Vol. 1-26, no. 2. 1893-August 1905. Chic., 1893-1905.
Vol. 1, nos. 1-5 title reads World's Fair electrical engineering.
Vol. 1, no. 6-Vol. 11 title reads Electrical engineering.
Vol. 12-14 title reads Electrical engineering and telephone magazine.
Incorporated with Telephony in September 1905.
E. 1-26; **N.** [1-8], 10-26.

Telephone news. S-M. Vol. 1+ August 1905+ Phil., 1905+
E. 1, [2-3], 4+

Telephone Pioneers of America.
Proceedings of the annual convention. Y. 1st+ 1911+ v.p., 1911+
E. 1st+

Telephone world. M. Vol. 1-4. 1906-1907. Lafayette, Ind., 1906-1907.
No more information available.
E. [1-4].

Telephony. M. Vol. 1+ 1901+ Chic., 1901+
In September 1905 incorporated Telephone magazine.
In September 1908 incorporated American telephone journal which had a few months previous incorporated Sound waves.
In July 1910 volume number changed to 59.
E. [1], 2, [3], 4-6, [8], 9-18, [19], 59+; **N.** 7-19, 59+; **C.** [16-17].

Terrestrial magnetism and atmospheric electricity. Q. Vol. 1+ 1896+ Chic., 1896+
C. 1+; **E.** 1+; **N.** 1+

Texas Academy of Science.
Transactions, together with the Proceedings. Irreg. Vol. 1+ 1892+ Austin, 1897+
CE. 1-10.

Textil-und färberei-zeitung. W. Vol. 1+ 1903+ Ber., 1903+
CC. 4, [5-6], 7-9.

Textil-zeitung. W. Vol. 1+ 1870+ Ber., 1870+
Vol. 1-26 (1870-1895) title reads Zentralblatt für die textil-industrie.
N. 29+

Textile American. M. Vol. 1+ 1904+ Bost., 1904+
N. [1], 3+; **CC.** 1-2, [3-6], 18+

Textile colorist. M. Vol. 1+ 1879+ Phil., 1879+
CC. 1, [2], 3, [5], 8-9, [10], 11-15, [16-21], 22+; **N.** 18+; **C.** 33+; **P.** 17-20.

Textile colourist. M. Vol. 1-4. 1876-1877. Manchester, 1876-1877.
Incorporated with Textile manufacturer.
CC. 1-4; **C.** 1-4; **N.** 1-4.

Textile Institute.
Journal. Irreg. Vol. 1+ 1910+ Manchester, 1910+
CC. 1+

Textile kunst und industrie. M. Vol. 1+ 1908+ Dresden, 1908+
N. 1-4.

Textile manufacturer. M. Vol. 1+ 1875+ Manchester, 1875+
In 1878 incorporated Textile colourist, retaining the volume number of Textile manufacturer.
CC. 39+; **N.** 5-6.

Textile manufacturers' journal. M. Vol. 1+ 1894+ N. Y., 1894+
N. 12+

Textile mercury. W. Vol. 1+ 1889+ Manchester, 1889+
N. 33+

Textile record of America. M. Vol. 1-24, no. 5. 1880-March 1903. Phil., 1880-1903.
In April 1903 consolidated with Textile world.
N. [8, 10, 14], 15-17, [18-19].

Textile world. M. Vol. 1-24. 1888-1903. Bost., 1888-1903.
In April 1903 Textile world and Textile record of America consolidated and formed Textile world record, retaining the volume number of Textile world.
N. [1, 4, 7], 8-24; **E.** 8-15.

Textile world record. M. Vol. 25+ April 1903+ Bost., 1903+
In April 1903 Textile world and Textile record of America consolidated and formed Textile world record, retaining the volume number of Textile world.
E. 25+; **N.** 25+

Textile recorder. M. Vol. 1+ 1883+ Manchester, Eng., 1883+
N. 1+

Thonindustrie-zeitung. *See* Tonindustrie-zeitung.

Thonwaaren industrie. W. Vol. 1-18. 1887-1904. Bunzlau, 1887-1904.
Ceased publication.
C. 13-18.

Tidsskrift for physik og chemie samt disse videnskabers anvendelse. Vol. 1-18, 1862-1879; Ser. 2, Vol. 1-12, 1880-1891; Ser. 3, Vol. 1-3, 1892-1894. Kjobenhavn, 1862-1894.
No more information available.
N. 1-18, Ser. 2, 1-12, Ser. 3, 1-3.

Tijdschrift ter bevordering van nijverheid. M. Vol. 1-16. 1833-1852. Haarlem, 1833-1852.
No more information available.
N. [5, 9-11].

Timber trades journal and saw mill advertiser. W. Vol. 1+ 1873+ Lond., 1873+
N. 44+; **E.** [65], 66+

Times. Engineering supplement. W. Year 1+ 1905+ Lond., 1905+
S. 1+; **E.** 6+; **CE.** [6], 7.

Tokyo Imperial University. College of Science.
Journal. Irreg. Vol. 1+ 1887+ Tokyo, 1887+
General index. Vol. 1-25. 1887-1908. Tokyo, 1913.
E. 1+; **N.** 1-17, 30+

Tonindustrie-zeitung. T.-W. Vol. 1+ 1877+ Ber., 1877+
CE. 16, 18+; **CC.** 26+; **E.** [29, 31], 32+; **N.** 26-27, [28, 32], 36+

Toronto University.
Studies. Geological series. Irreg. No. 1+ 1900+ Toronto, 1900+
N. 1+

Toronto University.
Studies. Papers from the chemical laboratories. Irreg. No. 1+ 1885(?)+ Toronto, 1885(?)+
N. 44-72, 74+

Toronto University.
Studies. Papers from the physical laboratories. Irreg. No. 1+ 1907+ Toronto, 1907+
N. 1-4, 18-24, 26-36, 90-93.

Toronto University. Engineering Society of the School of Practical Science.
Transactions. Y. No. 1-20. 1885-1907. Toronto, 1887+
No more published.
In 1907 name of Society was changed to Engineering Society of the University of Toronto, and name of publication is Applied science.
CE. 1-20; **N.** 2-17; **S.** 15, 19-20.

Toulouse Université. Faculté des Sciences.
Annales. Vol. 1-12, 1887-1898; Ser. 2, Vol. 1-10, 1899-1908; Ser. 3, Vol. 1+ 1909+ Par., 1887+
N. 11-12, Ser. 2, 1-10, Ser. 3, 1+

Traction and transmission. M. Vol. 1-10. 1901-1904. Lond., 1901-1904.
Monthly supplement to Engineering.
Ceased publication October 1904.
CE. 1-5, [6], 7-10; **C.** 1-10; **E.** 1-10; **N.** [1-3].

Trade of the west *See* Steel and iron.

Tradesman. S-M. Vol. 1+ 1879+ Chattanooga, Tenn., 1879+
N. [23, 25], 26+

Train Dispatchers' Association.
Proceedings of the annual meeting. Y. 1st-2nd. 1884-1885; 1st+ 1888+ Chic., 1888+
From 1884-1887 known as the American Train Dispatchers' Association. This Association went out of existence in 1887, but was reorganized in 1888 as the Train Dispatchers' Association.
CE. 1st-2nd.

Tramway and railway world. M. Vol. 1+ 1892+ Lond., 1892+
Vol. 1-8 title reads Railway world.
N. 6+; **C.** 8+; **E.** 11+

Tramways and Light Railways Association.
Official circular. M. No. 1+ 1903+ Westminster, 1903+
E. 10, 24, 26, 29, 34-39, 41-43, 45, 47, 49, 52, 55, 60, 67.

Transit *See* Iowa University. College of Applied Science. Transit.

Transmitter. S-M. Vol. 1+ 1891+ Sydney,-Lond., 1891+
E. [13], 14-16, [17-18], 19+

Transvaal Institute of Mechanical Engineers.
Journal. M. Vol. 1-9, no. 4. August 1902-November 1910. Johannesburg, 1902-1910.
Vol. 1-3, no. 7 (August 1902-February 1905) known as the Mechanical Engineers' Association of the Witwatersrand.
In February 1911 the Transvaal Institute of Mechanical Engineers and the South African Association of Engineers combined and formed the South African Institute of Engineers.
E. 1-5, 7-9; **N.** 8-9.

Travelers standard. M. Vol. 1+ October 1912+ Hartford, Conn., 1912+
Published by the Engineering and Inspection Division of the Travelers Insurance Company and the Travelers Indemnity Company.
E. 1+

Traveling Engineers' Association.
Proceedings of the annual convention. Y. 1st+ 1893+ Buffalo, N. Y. 1893+
E. 1st+; **N.** 9th, 11th-12th, 15th; **CE.** 5th, 15th.

Treasury Construction Society *See* Society of Constructors of Federal Buildings.

Trolley. M. Vol. 1, nos. 1-24. 1907. Cleveland, O., 1907.
No more information available.
E. [1].

Tschermaks mineralogische und petrographische mittheilungen. Irreg. Vol. 1-7, 1871-1877; New ser. Vol. 1+ 1878+ Wien, 1872+
From 1871-1877 title reads Mineralogische mittheilungen.
Register. Vol. 1-10. 1878-1888. Wien, 1890.
Register. Vol. 11-25. 1889-1907. Wien, 1907.
N. 1-7, New ser. 1+; **E.** 6, New ser. 28+

Turbine. S-M. Vol. 1-9, no. 24. 1904-September 1913. Ber., 1904-1913.
Incorporated with Zeitschrift für das gesamte turbinenwesen in October 1913.
E. 1-9; CE. 5-9.

Union des Charbonnages Mines et Usines Metallurgique.
Bulletin. Irreg. Vol. 1+ 1869(?)+ Liège, 1869(?)+
E. [11], 12-14, 16+

United States. Isthmian canal commission. Canal record *See* Canal record.

United States army and navy journal. W. Vol. 1+ 1863+ N. Y., 1863+
Commonly called Army and navy journal.
C. 1-23, 35-46, 48+

United States Association of Charcoal Iron Workers.
Journal. B-M. Vol. 1-9, no. 1. 1880-1881. Phil., 1880-1881.
No more published.
E. 1-9.

United States miller. M. Vol. 1-18. 1876-1893. Milwaukee, 1876-1893.
No more information available.
E. 15-18.

United States nautical magazine and naval journal. M. Vol. 1-7. 1854-1857. N. Y., 1855-1858.
Vol. 1-2 title reads Monthly nautical magazine and quarterly review.
No more published.
E. 1-7; N. [1], 2-3, 5-6, [7].

United States Naval Institute.
Proceedings. Q. Vol. 1+ 1874+ Annapolis, Md., 1874+
Vol. 1-4 title reads Papers and proceedings.
Index. Vol. 1-15. Annapolis, n.d.
General index. Vol. 1-27. 1874-1901. Baltimore, 1902.
CE. 1+; C. 1+; E. 1+; S. 1-14, 16-17.

Universal engineer. M. Vol. 1+ 1902+ N. Y., 1902+
E. [6], 7+; N. 6+

Universidad Central de Venezuela.
Revista cientifica. M. Vol. 1+ 1888+ Caracas, 1888+
CE. [1-2].

Universidad de Chile *See* Santiago de Chile. Universidad de Chile.

Universidad de Quito *See* Quito. Universidad Central de Ecuador.

Universidad Nacional de La Plata.
Contribucion al estudio de las ciencias fisicas y matemáticas. Irreg. Vol. 1+ 1914+ La Plata, 1914+
E. 1+

Upsala University. Geological Institution.
Bulletin. Irreg. Vol. 1+ 1892+ Upsala, 1892+
Index. Vol. 1-10. 1893-1910. Upsala, 1910.
CC. 1+; E. 1+; C. 1-8, 10+; N. 9+

Uralski tekhnic. M. Vol. 1+ 1907+ Ekaterinburg, 1907+
E. 8+

Valve world. M. Vol. 1+ 1905+ Chic., 1905+
Only one number published for volume 8 (1912).
Thirteen numbers were published for volume 10 (1913).
N. 1-6; E. 1, [2-6], 7, [9], 10+

Van Nostrand's eclectic engineering magazine *See* Van Nostrand's engineering magazine.

Van Nostrand's engineering magazine. M. Vol. 1-35. 1869-1886. N. Y., 1869-1886.
Vol. 1-21 title reads Van Nostrand's eclectic engineering magazine.
In 1887 consolidated with the American railroad journal and formed Railroad and engineering journal, which now is the Mechanical edition of Railway age gazette.
CE. 1-35; C. 1-35; E. 1-35; S. 1-35; P. 1-17; CC. 2, 20-21, 32.

Vegyészeti lapok *See* Magyar Vegyészeti Gyárosok orsz. Egyesületének. Vegyészeti lapok.

Verband Deutscher Architekten-und Ingenieur-Verein.
Mittheilungen. Vol. 1+ 1885+ n.p., 1885+
CE. [1].

Verband Deutscher Diplom-Ingenieur.
Schriften. Irreg. No. 1-8. 1909-1911. Ber., 1909-1911.
N. 1-8.

Verband Deutscher Diplom-Ingenieur.
Zeitschrift. S-M. Vol. 1+ 1910+ Ber., 1910+
E. 3+

Verband der Seifenfabrikation *See* Seifenfabrikant.

Verein der Deutsche Zucker-Industrie.
Zeitschrift. M. Vol. 1+ 1851+ Ber., 1851+
Vollständiges autoren und sach register. Vol. 1-10. 1851-1860. Ber., 1862.
General-register. Vol. 53-62. 1903-1912. Ber., 1914.
N. 1-31, 47+; E. 59+

Verein der Gas-und Wasserfachmänner in Osterreich-Ungarn.
Zeitschrift. S-M. Vol. 1+ 1883+ Wien, 1883+
1883-1906 title reads Gastechniker.
E. [50], 51+; CC. 36-52, [53].

Verein der Spiritus-Fabrikanten in Deutschland.
Jahrbuch. Y. Vol. 1+ 1901+ Ber., 1901+
Beilage. Zeitschrift für spiritus-industrie.
CC. 2-5, 7-10, 13.

Verein der Spiritus-Fabrikanten in Deutschland.
Jahrbuch. Beilage. Zeitschrift für spiritus-industrie. W. Vol. 1+ 1878(?)+ Ber., 1878(?)+
CC. 24, 34+

Verein Deutscher Eisenbahnverwaltung.
Zeitung. W. Vol. 1+ 1861+ Ber., 1861+
E. 53+

Verein Deutscher Ingenieure.
Beiblatt. Technik und wirtschaft. M. Vol. 1+ 1908+ Ber., 1908+
CE. 1+; C. 1+; E. 1+; CC. 1-4, [5], 6+

Verein Deutscher Ingenieure.
Beiträge zur geschichte der technik und industrie. Y. Vol. 1+ 1909+ Ber., 1909+
E. 1+; N. 1-3.

Verein Deutscher Ingenieure.
Mitteilungen über forschungsarbeiten auf dem gebiete des ingenieurwesens. Irreg. No. 1+ 1901+ Ber., 1901+
N. 1+; CE. 1-3, 8-13, 17+; E. 10-13, 17-18, 20+

Verein Deutscher Ingenieure.
Wochenschrift. 1877-1883. Ber., 1878-1883.
Combined with the Zeitschrift.
Inhaltsverzeichniss. 1877-1883. Ber., 1884.
C. 1877-1883; N. 1877-1883; E. 1878-1883.

Verein Deutscher Ingenieure.
Zeitschrift. W. Vol. 1+ 1857+ Ber., 1857+
Inhaltsverzeichniss. Vol. 1-5, in Vol. 5. 1857-1861. Ber., 1861.
Alphabetisches inhaltsverzeichniss. Vol. 1-10. 1857-1866. Ber., 1867.
Alphabetisches inhaltsverzeichniss. Vol. 11-15. 1867-1871. Ber., 1872.
Inhaltsverzeichniss. Vol. 16-27. 1872-1883. Ber., 1884.
Inhaltsverzeichniss. Vol. 28-37. 1884-1893. Ber., 1895.
Inhaltsverzeichniss. Vol. 38-47. 1894-1903. Ber., 1904.
Inhaltsverzeichniss. Vol. 48-54. 1904-1910. Ber., 1911.
Beilage: Technik und wirtschaft.
CE. 1+; CC. 1+; N. 1+; E. 1-3, 6+; C. 2-4, 6+; S. 41-42, [43], 44+

Verein Deutscher Portland-Zement-Fabrikanten.
Protokoll der Verhandlungen. 1878+ Ber., 1878+
CE. 1878+

Verein Deutscher Revisions-Ingenieure.
Schriften. Irreg. No. 1+ 1899+ Ber., 1899+
N. 1-3, 4-5.

Verein für die Bergbaulichen Interessen im Oberbergamtsbezirk Dortmund.
Jahresbericht. Y. 1895(?)+ Essen, 1895(?)+
E. 1895, 1897+

Verein für die Förderung des Local-und Strassenbahnwesens.
Mittheilungen. M. Vol. 1+ 1893+ Wien, 1893+
CE. 1-4.

Verein für Eisenbahnkunde in Berlin.
Verhandlungen. 1882-1891. Ber., 1882-1891.
No more information available.
CE. 1886-1888.

Verein zur Beförderung des Gewerbfleisses.
Verhandlungen. 10 nos. Y. Vol. 1+ 1822+ Ber., 1822+
Inhalts-verzeichniss. Vol. 1-60. 1822-1881. Ber., 1883.
Inhalts-verzeichniss. Vol. 61-84. 1882-1905. Ber., 1906.
N. 1-54, [55], 56+; E. 89+; CE. 75.

Vereinsblatt der Deutschen Gesellschaft für Mechanik und Optik *See* Deutsche mechanikerzeitung.

Vermont engineer *See* Association of Vermont Engineers. Vermont engineer.

Victorian Institute of Engineers.
Proceedings. M. Vol. 1+ 1900+ Melbourne, 1900+
E. [6], 9+; CE. 6, 9, 11; N. 9-11; S. 9-10.

Victorian Institute of Surveyors.
Transactions. Irreg. Vol. 1+ 1874+ Melbourne, 1881+
CE. 1+

Vienna. Kaiserliche Akademie der Wissenschaften.
Anzeiger. Irreg. Vol. 1+ 1864+ Wien, 1864+
CC. [15], 16+

Vierteljahresschrift über die fortschritte auf dem gebiete der chemie der nahrungs-und genussmittel. Vol. 1-12. 1886-1897. Ber., 1886-1897.
Continued as Zeitschrift für untersuchung der nahrungs-und genussmittel.
CC. 1-12.

Virginia manufacturer. W. Vol. 1-2. 1890-1891. Buchanan, Va., 1890-1891.
No more information available.
E. 2.

Virginia University. Philosophical Society.
Proceedings. Irreg. 1st+ 1910+ Charlottsville, 1911+
CE. 1st+

Virginias. M. Vol. 1-6. 1880-1885. Staunton, Va., 1880-1885.
In January 1886 incorporated with Industrial South.
E. 1-6; N. 1-5.

Vulcanic Society *See* Junior Institution of Engineers.

Vulkan. S-M. Vol. 1+ 1900+ Frankfurt-a-Main, 1900+
E. [8], 9-11, [12], 13+

Wagenbau, Deutsche wagenbau-zeitung. M. Vol. 1+ 1896+ Ber., 1896+
N. 2+

Wagner's Jahres-bericht *See* Jahres-bericht über die leistungen der chemischen technologie.

Washington Academy of Sciences.
Journal. S-M. Vol. 1+ 1911+ Baltimore, 1911+
Continuation of the Proceedings. Incorporated the Bulletin of the Philosophical Society of Washington.
CC. 1+

Washington Academy of Sciences.
Proceedings. Y. Vol. 1-13. 1899-1911. Baltimore, 1899-1911.
Continued as the Journal.
CC. 1-13; E. 1-13.

Wasser und abwasser. T-W. Vol. 1+ 1909+ Lpz., 1909+
CE. 1+; N. 1-4.

Waste trade journal. Vol. 1+ 1905+ N. Y., 1905+
N. 4-11.

Water and gas review. M. Vol. 1+ 1892+ N. Y., 1892+
E. [2], 3-4, [5-7], 8-12, [13], 14, [15], 17+; N. [2-7], 8, [9], 10-12, [13], 14-21.

Water-gas journal *See* Gas age.

Water power chronicle. M. Vol. 1+ 1913+ Detroit, 1913+
C. 1+

Waterproofing and fireproofing. M. Vol. 1-3, no. 4. 1907-1909. Detroit, 1907-1909.
Vol. 1, no. 1-7 (1907) title reads Waterproofing and was published in New York. Incorporated with Cement era.
N. 1-3.

Werkstattstechnik. M. Vol. 1+ 1907+ Ber., 1907+
E. [2], 3+; N. [2], 3+; C. 5+

West of Scotland Iron and Steel Institute.
Journal. Y. Vol. 1+ 1892+ Glasgow, 1894+
E. 1+

West Virginia Coal Mining Institute.
Proceedings. Y. 1908(?)+ Fairmont, W. Va., 1908(?)+
E. 1908+

West Virginia Mining Association.
Annual meeting. Y. 1910(?)+ Washington, D. C., 1910(?)+
No more information available.
E. 1910.

West Virginia Society of Civil Engineers and Architects.
Proceedings of the annual meeting. Y. 1st-3rd. 1896-1898. Wheeling, 1896-1898.
No more information available.
CE. 3rd.

Western Association of Technical Chemists and Metallurgists.
Western chemist and metallurgist. Vol. 1-6. 1905-1910. Denver, Colo., 1905-1910.
Ceased publication December 1910 and Society no longer exists.
C. 1-6; E. 1-6.

Western Australian Institution of Engineers.
Proceedings. Y. Vol. 1+ 1910+ Perth, 1910+
E. 1+

Western Canada Irrigation Association.
Report of proceedings of the annual convention. Y. 1st+ 1912+ Ottawa, 1907+
CE. 6th+

Western Canada Railway Club.
Proceedings. 9 nos. Y. Vol. 1+ May 1908+ Winnipeg, 1908+
Forms the Manitoba Branch of the Canadian Society of Civil Engineers.
E. [3], 4+

Western builder. M. Vol. 1+ 1902+ Milwaukee, 1902+
N. [5-7].

Western chemist and metallurgist *See* Western Association of Technical Chemists and Metallurgists.

Western contractor. W. Vol. 1+ 1901+ Kansas City, 1901+
In July 1912 Cement record consolidated with Western contractor.
N. [12], 13, [14-15], 16+

Western Efficiency Society.
100% M. Vol. 1+ September 1913+ Chic., 1913+
From September-December 1913 title reads Efficiency.
E. 1+

Western Electric news. M. Vol. 1+ March 1912+ N. Y., 1912+
E. 1, [2], 3+

Western electrician. W. Vol. 1-43. 1887-1908. Chic., 1887-1908.
Combined with Electrical review, New York, in November 1908 and continued as Electrical review and western electrician.
E. 1-43; N. 1-17, [18], 19-43; C. 1, 3-43.

Western engineering. M. Vol. 1+ 1912+ San Francisco, 1912+
C. 1+; E. 1+

Western Gas Association.
Proceedings of the annual meeting. Y. 1st-29th. 1878-1906. St. Louis, 1878-1906.
In 1906 combined with the American Gas Light Association and the Ohio Gas Light Association and formed the American Gas Institute.
E. 10th-28th; N. 10th-21st; S. 15th-18th, 22nd-29th.

Western manufacturer. M. Vol. 1-15. 1874-1887. Chic., 1874-1887.
No more information available.
N. [6], 8-10, [11, 14].

Western mining world *See* Mining and engineering world.

Western New York Car Demurrage Association.
Annual report. Y. 1st+ 1890+ n.p., 1890+
CE. 1st+

Western Railway Club.
Official proceedings. 9 nos. Y. Vol. 1+ 1888+ Chic., 1888+
Before 1888 the Proceedings were published in various railway publications.
E. 1-8, [9], 10+; CE. [2-7], 8+; N. 7-22, 24+; S. 19+

Western Society of Engineers.
Journal. 10 nos. Y. Vol. 1+ 1896+ Chic., 1896+
CE. 1+; E. 1+; N. 1+; C. 1-16; S. [11], 12+

Western Society of Engineers.
Proceedings. Vol. 1-6. 1870-1881. Chic., 1876-1881.
Vol. 1-2 title reads Papers.
Vol. 3-4 title reads Papers and Proceedings.
Organized in 1869 as the Civil Engineers' Club of the Northwest.
Incorporated under the present name in 1880.
From 1881-1895 the Papers and Proceedings were printed in the Journal of the Association of Engineering Societies.
CE. 1, 3-6; C. 4-5.

Western telephone journal. M. Vol. 1-17, no. 1. 1902-August 1910. Vinton, Iowa, 1902-1910.
Consolidated with Telephone engineer in September 1910.
E. 8, [9], 10-12, [13-16], 17; N. [11], 12-14, [15-16].

Whipple's electric reports. M. Vol. 1-2. 1889-August 1891. N. Y., 1889-1891.
No more published.
E. [1-2].

Wieck's deutsche illustrirte gewerbezeitung. W. Vol. 1+ 1839+ Stut., 1839+
Vol. 1-8 (1836-1843) title reads Gewerbeblatt für sachsen.
Vol. 9 (1844) title reads Allgemeine zeitung für nazional-industrie und verkehr, etc.
Vol. 10-14 (1845-1849) title reads Deutsche gewerbe-zeitung und sächsisches-gewerbeblatt.
Vol. 15-24 (1850-1859) title reads Deutsche gewerbe-zeitung.
In 1894 incorporates Polytechnisches notizblatt für chemiker gewerbetreibende, fabrikanten und künstler.
N. 20-45; C. 41, 43-50, 52-65.

Wiedemann's Annalen der physik *See* Annalen der physik und chemie.

Wiener feuerwehr-zeitung. S-M. Vol. 1-18. 1871-1888. Wien, 1871-1888.
No more information available.
CE. 4-5.

Wiener zeitschrift für physik, chemie und mineralogie *See note* Zeitschrift für physik und mathematik.

Wire. M. Vol. 1, nos. 1-6. 1899. N. Y., 1899.
No more information available.
E. [1].

Wireless age. M. New ser. Vol. 1+ October 1913+ N. Y., 1913+
Continuation of the Marconigraph (in America).
E. 1+

Wireless world. M. Vol. 1+ April 1913+ Lond., 1913+
Continuation of Marconigraph.
E. 1+

Wisconsin Academy of Sciences, Arts and Letters.
Transactions. Irreg. Vol. 1+ 1872+ Madison, 1872+
N. [1], 2-15, [16], 17+; CE. 2-3, 8; E. 8.

Wisconsin engineer. 8 nos. Y. Vol. 1+ 1896+ Madison, Wis., 1896+
N. 1-4, [5], 6+; E. 3-4, 6-10, 12+; CE. 7+; S. [8], 13+; C. 15+

Wisconsin Engineers' Society.
Annual report containing papers read at the annual meeting. Y. 1st. 1897.
No more information available.
CE. 1st.

Wisconsin Gas Association.
Journal of proceedings of annual convention. Y. 1st+ 1902+ v.p., 1902+
E. 1st+; N. 1st+

Wisconsin University.
Bulletin. Engineering series. Irreg. Vol. 1+ 1894+ Madison, Wis., 1896+
E. 1+; N. 1-6; CE. 1-5; C. 1-5.

Wisconsin University.
Bulletin. Science series. Irreg. Vol. 1+ 1894+ Madison, Wis., 1896+
E. 1+; CE. 1-3.

Wissenschaft. Irreg. Vol. 1+ 1904+ Brns., 1904+
CC. 1+

Witwatersrand mining and metallurgical review. M. Nos. 1-21. 1890-1891. Johannesburg, 1890-1891.
Incorporated with South African mining journal in 1891.
E. 1-21.

Wood Preservers' Association *See* American Wood Preservers' Association.

Woodcraft. M. Vol. 1+ 1904+ Cleveland, Ohio, 1904+
Vol. 1-3 title reads Pattern maker.
E. 1+

Wood-worker. M. Vol. 1+ 1882+ Indianapolis, Ind., 1882+
E. 30+

Worcester Polytechnic Institute.
Journal. B-M. Vol. 1+ 1897+ Worcester, Mass., 1897+
CE. 1+; E. 1+; S. [1], 2, [3], 4-7, [8], 10+; N. 1-4, [5-10], 11+

Work. W. Vol. 1+ 1889+ Lond., 1889+
E. 1+

Workshop. M. Vol. 1-16. 1868-1883. N. Y., 1868-1883.
American edition of Gewerbehalle.
No more information available.
N. 1-9; CE. 1-3.

World's advance. M. Vol. 1-7, no. 2; Vol. 29+ May 1908+ N. Y., 1908+
Vol. 1-6, no. 4 (1908(?)-1913) title reads Popular electricity magazine.
Vol. 6, no. 5-12 (1913) title reads Popular electricity and the world's advance.
In July 1914 incorporated with Modern electrics and mechanics and title became Popular electricity and modern mechanics, retaining the volume number of Popular electricity.
In 1915 (Vol. 30, no. 1-3) title reads Modern mechanics.
E. 6-7, 29+; N. 1-4.

World's Fair electrical engineering *See* Telephone magazine.

World's progress. M. Vol. 1-5, no. 10. April 1905-October 1909. Wash., 1905-1909.
No more information available.
N. 1-5; E. [1-2], 3-5.

Yacht *See* Journal de la marine, le yacht.

Yale Sheffield monthly. 9 nos. Y. October 1894+ New Haven, Conn., 1894+
Vol. 1-19 (1894-June 1913) title reads Yale scientific monthly.
Index. Vol. 1-6. October 1894-June 1900. New Haven, n.d.
CE. 1-13, 16+; N. 1-2, 4-16, 18+; E. [3, 6-8], 9-13, [14-15], 16+; C. 19+

Yearbook for colorists and dyers. Y. Vol. 1+ 1898+ N. Y., 1898+
CC. 1+

Young mechanic *See* Mechanic.

Zeitschrift für analytische chemie. M. Vol. 1+ 1862+ Wiesbaden, 1862+
Autoren-und sach-register. Vol. 1-10. 1862-1871. Wiesbaden, 1872.
Autoren-und sach-register. Vol. 11-20. 1872-1881. Wiesbaden, 1881.
Autoren-und sach-register. Vol. 21-30. 1882-1891. Wiesbaden, 1894.
Autoren-und sach-register. Vol. 31-40. 1892-1901. Wiesbaden, 1903.
CC. 1+; N. 1+; S. 18-42, 44-45.

Zeitschrift für angewandte chemie. W. Vol. 1+ 1887+ Lpz., 1887+
Vol. 1 title reads Zeitschrift für die chemische industrie.
Beginning with 1913 published in three parts: Pt. 1 Aufsatzteil, Pt. 2 Referatenteil, Pt. 3 Wirtschaftlicher teil und Vereins nachrichten.
General register. Vol. 1-20. 1887-1907. Lpz., 1910.
CC. 1+; E. 1-2, 4+; C. 1-21, [22], 23+; N. 10+; S. 5-21.

Zeitschrift für angewandte elektricitätslehre *See* Centralblatt für elektrotechnik.

Zeitschrift für anorganische chemie. Irreg. Vol. 1+ 1892+ Lpz., 1892+
General register. Vol. 1-50. 1892-1903. Lpz., 1908.
Autorenregister und sachregister. Vol. 49-51 in Vol. 51. Lpz., 1906.
Autorenregister und sachregister. Vol. 52-54 in Vol. 54. Lpz., 1907.
Autorenregister und sachregister. Vol. 55-57 in Vol. 57. Lpz., 1908.
Autorenregister und sachregister. Vol. 58-60 in Vol. 60. Lpz., 1908.
Autorenregister und sachregister. Vol. 61-63 in Vol. 63. Lpz., 1909.
Register. Vol. 64-66 in Vol. 66. Lpz., 1910.
Register. Vol. 67-69 in Vol. 69. Lpz., 1911.
Register. Vol. 70-72 in Vol. 72. Lpz., 1911.
Register. Vol. 73-75 in Vol. 75. Lpz., 1912.
Register. Vol. 76-78 in Vol. 78. Lpz., 1912.
Register. Vol. 79-81 in Vol. 81. Lpz., 1913.
CC. 1+; E. 1+; N. 1+

Zeitschrift für architektur und ingenieurwesen *See* Architekten-und Ingenieur-Verein zu Hannover. Zeitschrift für architektur und ingenieurwesen.

Zeitschrift für bauhandwerker *See* Zeitschrift für das baugewerbe.

Zeitschrift für baukunde. 8 nos. Y. Vol. 1-7. 1878-1884. Mün., 1878-1884.
No more published.
CE. 1-3, [4], 5-7.

Zeitschrift für bauwesen. Q. Vol. 1+ 1851+ Ber., 1851+
General-register. Vol. 1-10. 1851-1860.
Inhalts-verzeichniss. Vol. 1-15. 1851-1865. Ber., 1866.
Inhalts-verzeichniss. Vol. 1-30. 1851-1880. Ber., 1881.
Inhalts-verzeichniss. Vol. 1-50. 1851-1900. Ber., 1904.
CE. 1+

Zeitschrift für beleuchtungswesen, heiz-und lüftungs-technik. T-M. Vol. 1+ 1895+ Ber., 1895+
N. 2+; E. 8+; CC. 7-18.

Zeitschrift für bergrecht. Q. Vol. 1+ 1860+ Bonn, 1860+
Register. Vol. 1-10. 1860-1869. Bonn, 1870.
Hauptregister. Vol. 1-20. 1860-1879. Bonn, 1880.
Hauptregister. Vol. 1-36. 1860-1895. Bonn, 1896.
E. 14-15, 42-49.

Zeitschrift für calciumcarbid-fabrikation und acetylen-beleuchtung *See* Carbid und acetylen.

Zeitschrift für chemie. Vol. 1-14. 1858-1871. Lpz., 1858-1871.
Vol. 1-2 (1858-1859) title reads Kritische zeitschrift für chemie, physik und mathematik.
Vol. 3-7 (1860-1864) title reads Zeitschrift für chemie und pharmacie.
No more published.
N. 1-14; CC. 8-14.

Zeitschrift für chemie und industrie der kolloide *See* Kolloid-zeitschrift.

Zeitschrift für chemische apparatenkunde. Irreg. Vol. 1-3. 1906-1908. Ber., 1906-1908.
No more information available.
CC. 1-3.

Zeitschrift für dampfkessel und machinenbetrieb. W. Vol. 1+ 1898+ Ber., 1898+
Vol. 1-26 (1898-1903) title reads Mittheilungen aus der praxis dampfkessel-und dampfmaschinen-betriebes.
N. 1, 20+; E. 16+

Zeitschrift für das baugewerbe. S-M. Vol. 1+ 1857+ Halle a S., 1857+
From 1857-1863 title reads Zeitschrift für bauhandwerker.
From 1864-1904 title reads Haarmann's Zeitschrift für bauhandwerker.
N. 49+

Zeitschrift für das berg-hütten-und salinenwesen in dem preussischen staate. Irreg. Vol. 1+ 1853+ Ber., 1853+
Published in several sections namely: (a) Verwaltung, (b) Abhandlungen, (c) Literatur, (d) Statistischer teil. The first two have been discontinued.
Hauptregister. Vol. 1-10. 1853-1862 in Vol. 10.
Hauptregister. Vol. 1-25. 1853-1877. Ber., 1879.
Inhaltsverzeichniss. Vol. 1-50. 1853-1902. Ber., 1903.
E. 1+; N. 1+; C. 1-57, 59+

Zeitschrift für das berg-hütten-und salinenwesen in dem preussischen staate.
Atlas. Irreg. Vol. 20+ 1872+ Ber., 1872+
Has the same volume number as Text.
E. 20-27, 29+; N. 20-34, 51-52.

Zeitschrift für das chemische grossewerbe. Q. Vol. 1-5. 1877-1881. Ber., 1877-1881.
No more published.
CC. 1-5; C. 1-5.

Zeitschrift für das gesammtgebiet der elektrotechnik. 1903, nos. 1-3. Lpz., 1903.
No more published.
N. 1-3.

Zeitschrift für das gesamte schiess-und sprengstoffwesen. S-M. Vol. 1+ 1906+ Mün., 1906+
CC. 1+; N. 1+; E. 3+

Zeitschrift für das gesamte turbinenwesen. T-M. Vol. 1+ September 1904+ Mün., 1904+
Incorporates Die turbine in October 1913.
E. 1, [2], 3+; C. 10+

Zeitschrift für den physikalischen und chemischen unterricht. 6 nos. Y. Vol. 1+ 1887+ Ber., 1887+
Generalregister. Vol. 1-10. 1887-1897. Ber., 1898.
Generalregister. Vol. 11-20. 1898-1907. Ber., 1908.
N. 10+

Zeitschrift für die chemische industrie *See* Zeitschrift für angewandte chemie.

Zeitschrift für die gesamte kälte-industrie. M. Vol. 1+ 1894+ Mün., 1894+
N. 1+; E. 16+

Zeitschrift für die gesamte textil-industrie. W. Vol. 1+ 1897+ Lpz., 1897+
N. 6+

Zeitschrift für drechsler, elfenbeingraveure und holzbildhauer. S-M. Vol. 1+ 1877+ Lpz., 1877+
N. 21+

Zeitschrift für eis- und kälte-industrie *See* Oesterreichischer Verein für Kälte-Industrie. Zeitschrift für eis-und kälte-industrie.

Zeitschrift für elektrochemie und angewandte physikalische chemie. S-M. Vol. 1+ 1894+ Halle a. S., 1894+
Vol. 1 title reads Zeitschrift für elektrotechnik und elektrochemie.
Vol. 2-9 title reads Zeitschrift für elektrochemie.
Generalregister. Vol. 1. Namenverzeichnis. Vol. 1-10. 1894-1904. Halle a. S., 1910.
Generalregister. Vol. 2. Sachverzeichnis. Vol. 1-10. 1894-1904. Halle a. S., 1911.
CC. 1+; C. 1+; E. 1+; N. 1+

Zeitschrift für elektrotechnik *See* Elektrotechnik und maschinenbau.

Zeitschrift für elektrotechnik und elektrochemie *See* Zeitschrift für elektrochemie und angewandte physikalische chemie.

Zeitschrift für elektrotechnik und maschinenbau. W. Vol. 1-31, no. 26. 1898-June 1914. Potsdam,-Ber., 1898-1914.
Published in Berlin from January 1914. In 1898(?) the Elektrotechnische rundschau which was published in Frankfurt-a-Main moved to Potsdam and continued as two publications: Zeitschrift für elektrotechnik and Elektrotechnische und polytechnische rundschau, which later became Elektrotechnische rundschau.
In October 1902 Blätter für elektrotechnik was incorporated with Zeitschrift für elektrotechnik und maschinenbau.
In July 1914 combined with Elektrotechnische rundschau.
N. 5-31; E. 6-31.

Zeitschrift für farben industrie. S-M. Vol. 1+ 1902+ Ber., 1902+
Vol. 1-4 title reads Zeitschrift für farben- und textil-chemie.
CC. 1+; C. 1+

Zeitschrift für farben-und textil-chemie *See* Zeitschrift für farben industrie.

Zeitschrift für flugtechnik und motorluftschiffahrt. S-M. Vol. 1+ 1910+ Mün., 1910+
E. 2+

Zeitschrift für gewasserkunde. Vol. 1+ 1898+ Lpz., 1898+
N. 1+

Zeitschrift für heizung, lüftungs-und beleuchtung *See* Haustechnische rundschau.

Zeitschrift für hygiene. Irreg. Vol. 1+ 1886+ Lpz., 1886+
General index. Vol. 1-30 in Vol. 30. Lpz., 1899.
CC. 1-31.

Zeitschrift für instrumentenkunde. M. Vol. 1+ 1881+ Ber., 1881+
Beiblatt. Deutsche mechaniker-zeitung.
Generalregister. Vol. 1-10. 1881-1890. Ber., 1892.
Generalregister. Vol. 11-30. 1891-1910. Ber., 1912.
C. 1+; **E.** 1+; **N.** 1+; **S.** 28+; **CC.** 15-17.

Zeitschrift für instrumentenkunde.
Beiblatt. Deutsche mechaniker-zeitung. S-M. 1896+ Ber., 1896+
From 1896-1897 title reads Vereins-blatt der Deutschen Gesellschaft für Mechanik und Optik.
C. 1896+; **N.** 1896+; **E.** 1909+ **S.** 1909+; **CC.** [1896], 1897.

Zeitschrift für kleinbahnen. M. Vol. 1+ 1894+ Ber., 1894+
Beilage. Mitteilungen des Vereins Deutscher Strassenbahn-und Kleinbahn-Verwaltungen.
E. 1+; **N.** 1-4.

Zeitschrift für komprimierte und flüssige gase sowie für die pressluft-industrie. M. Vol. 1+ 1898+ Weimar, 1898+
Nothing published from October-December 1912.
N. 1+; **E.** 14+

Zeitschrift für krystallographie und mineralogie. 6 nos. Y. Vol. 1+ 1877+ Lpz., 1877+
Generalregister. Vol. 1-10. 1876-1885. Lpz., 1886.
Repertorium 1885-1891 und Generalregister. Vol. 11-20. Lpz., 1893.
Repertorium 1897-1902 und Generalregister, Vol. 31-40. 1897-1902. Lpz., 1910.
N. 1+

Zeitschrift für maschinenbau und schlosserei. S-M. Vol. 1+ 1884+ Ber., 1884+
N. 16, [17], 18, [19], 20+

Zeitschrift für maschinenbau und schlosserei.
Beilage. Elektrotechnische rathgeber. B-W. Vol. 1+ 1900+ Ber., 1900+
N. [1], 2+

Zeitschrift für mathematik und physik. Vol. 1+ 1856+ Lpz., 1856+
General-register. Vol. 1-25. 1856-1880. Lpz., 1881.
General-register. Vol. 1-50. Lpz., 1905.
N. 1+

Zeitschrift für mineralogie. Vol. 19-23. 1825-1829. Frankfurt-am-Main, 1825-1829.
Continuation of Taschenbuch für die gesammte mineralogie.
Continued as Jahrbuch für mineralogie, geognosie, geologie und petrefaktenkunde.
N. 19-23.

Zeitschrift für öffentliche chemie. S-M. Vol. 1+ 1895+ Weimar, 1895+
Vol. 1-2 title reads Centralblatt für nahrungs- und genussmittel-chemie.
N. 1+

Zeitschrift für physik und mathematik. Vol. 1-10. 1826-1832. Wien, 1826-1832.
Continued as Zeitschrift für physik und verwandte wissenschaften; later title became Wiener zeitschrift für physik, chemie und mineralogie.
N. 1-10.

Zeitschrift für physik und verwandte *See note* Zeitschrift für physik und mathematik.

Zeitschrift für physikalische chemie. Irreg. Vol. 1+ 1887+ Lpz., 1887+
Namen-und sachregister. Vol. 1-24. 2 pts. Lpz., 1903-1904.
Namen-und sachregister. Vol. 25-50. 2 pts. Lpz., 1910-1911.
Autoren-und sachregister. Vol. 50-53 in Vol. 53. Lpz., 1905.
Autoren-und sachregister. Vol. 54-57 in Vol. 57. Lpz., 1907.
Autoren-und sachregister. Vol. 58-61 in Vol. 61. Lpz., 1908.
Autoren-und sachregister. Vol. 62-65 in Vol. 65. Lpz., 1909.
Autoren-und sachregister. Vol. 66-70 in Vol. 70. Lpz., 1910.
Autoren-und sachregister. Vol. 71-74 in Vol. 74. Lpz., 1910.
Autoren-und sachregister. Vol. 75-78 in Vol. 78. Lpz., 1912.
Autoren-und sachregister. Vol. 79-82 in Vol. 82. Lpz., 1913.
CC. 1+; **E.** 1+; **N.** 1+

Zeitschrift für physiologische chemie. Irreg. Vol. 1+ 1877+ Strassburg, 1877+
Sach-und namenregister. Vol. 1-30. 1877-1900. Strassburg, 1901.
Sach-und autorenregister. Vol. 31-60. 1900-1908. Strassburg, 1910.
N. 1-21; **CC.** 1-14, 23.

Zeitschrift für praktische geologie. M. Vol. 1+ 1893+ Ber., 1893+
General-register. Vol. 1-10. 1893-1902. Ber., 1903.
General-register. Vol. 11-17. 1903-1909. Ber., 1910.
E. 1+; **N.** 1-3.

Zeitschrift für praktische geologie.
Beiblatt. Bergwirtschaftliche mitteilungen. M. Vol. 1+ 1910+ Ber., 1910+
Bound with the Zeitschrift.
E. 1+

Zeitschrift für reproductions-technik. M. Vol. 1+ 1899+ Halle a. S., 1899+
Beiblatt. Photographische chronik.
CC. 9+

Zeitschrift für sauerstoff-und stickstoff-industrie. M. Vol. 1+ 1908+ Ber., 1908+
CC. 1-3; **E.** 3+

Zeitschrift für schwachstromtechnik. S-M. Vol. 1+ 1907+ Mün., 1907+
E. 2+; N. 1-4.

Zeitschrift für transportwesen und strassenbau. T-M. Vol. 1+ 1884+ Ber., 1884+
C. 28+; E. 29+

Zeitschrift für untersuchung der nahrungs-und genussmittel, sowie der gebrauchsgegenstände. S-M. Vol. 1+ 1898+ Ber., 1898+
Continuation of Vierteljahresschrift über die fortschritte auf dem gebiete der chemie der nahrungs- und genuss-mittel.
Beilage. Gesetze und verordnungen sowie gerichtsentscheidungen betreffend nahrungs-und genussmittel und gebrauchsgegenstände.
CC. 1+

Zeitschrift für vermessungswesen. T-M. Vol. 1+ 1872+ Stut., 1872+
Inhaltsverzeichnis. Vol. 1-33. 1872-1904. Stut., 1906.
C. 1+; E. 1-35.

Zeitschrift für werkzeugmaschinen und werkzeuge. S-M. Vol. 1+ 1896+ Ber., 1896+
N. 9+

Zeitschrift für zuckerindustrie in Böhmen. 11 nos. Y. Vol. 1+ 1876+ Prag, 1876+
E. 35+

Zement und beton. W. Vol. 1-10. 1902-1911. Ber., 1902-1911.
Ceased publication.
N. 4-10.

Zentralblatt der bauverwaltung. S-W. Vol. 1+ 1881+ Ber., 1881+
CE. 1-7, [8], 9-12, [13], 14+; N. 7, [8-15]; E. 34+

Zentralblatt für chemie und analyse der hydraulischen zemente. M. Vol. 1+ 1910+ Halle a. S., 1910+
E. 1+

Zentralblatt für die textil-industrie *See* Textilzeitung.

Zentralblatt für eisenhüttenwesen. M. Vol. 1-3. 1906-1908. Ber., 1906-1908.
Ceased publication December 1908.
CC. 1-3; E. 1-3.

Zentralblatt für Röntgenstrahlen, radium, und verwandte gebiete. M. Vol. 1+ 1910+ Wiesbaden, 1910+
N. 1+

Ziegel- und bau- industrie. S-M. Vol. 1+ 1897+ Ber., 1897+
Know as Stein und mörtel until August, 1909.
N. 5+; CC. 6-11.

Zymotechnica Association.
Proceedings. M. Vol. 1-2. July 1906-August 1908. Chic., 1906-1908.
No more published.
Probably continued as the Society of Brewing Technology which later became American Society of Brewing Technology.
CC. [1].

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